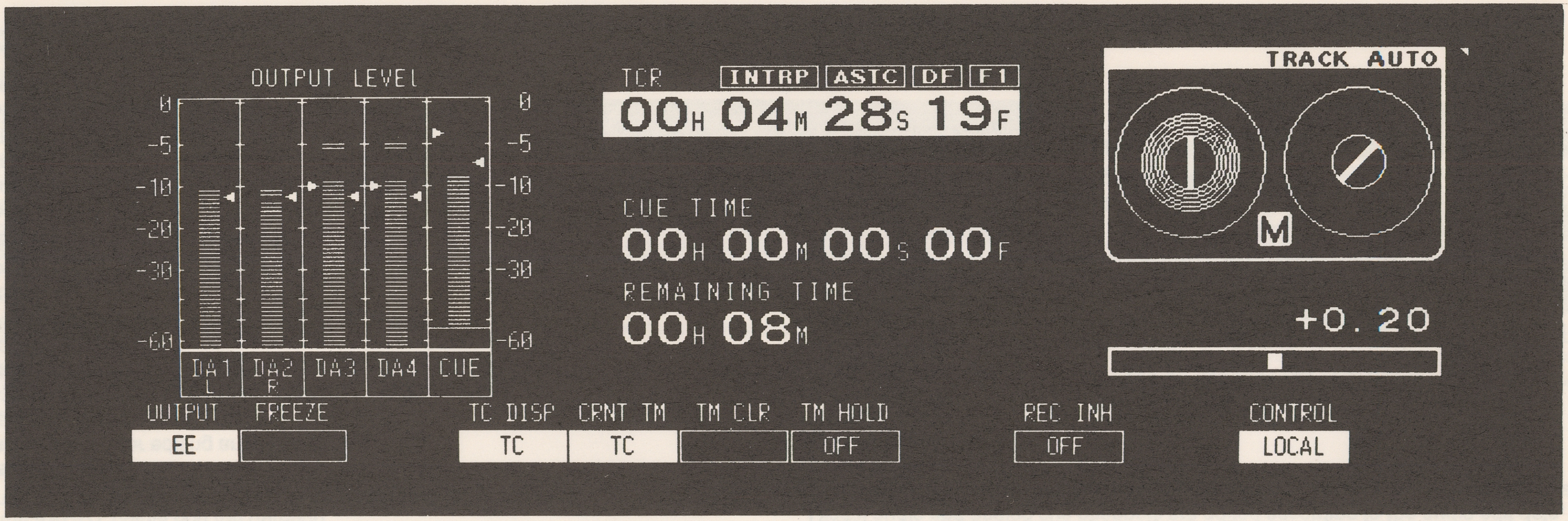
Control Menus

DVR-1000

SONY
DVR-1000
LOAD
RUN
REMOTE
EJECT
HOME
MAN EDIT
AUTO EDIT
EDIT SRC
MULTI CUE
USER
LEVEL ADJ
SET UP
MON
TC & CHR
DIAG
TEST
INPUT CHECK
AUDIO LINE OUT
UNITY
UNITY/VAR
4:2:2
Component Digital
SYSTEM
SERVO
CF MODE
CURSOR
ENTRY
IN
OUT
EXECUTE
PREROLL
SEARCH
STANDBY
REC INHIBIT
SHUTTLE
JOG
VAR
STOP
PLAY
REC/EDIT
MADE IN JAPAN

SONY®



TCR INTRP ASTC DF F1
00H 04M 28S 19F

CUE TIME
00H 00M 00S 00F

REMAINING TIME
00H 08M

+0. 20

OUTPUT: EE
FREEZE:
TC DISP: TC
CRNT TM: TC
TM CLR:
TM HOLD: OFF
REC INH: OFF
CONTROL: LOCAL

HOME

The HOME menu is displayed when the unit is turned on and a cassette is inserted.

To return to the HOME menu from the other menus, press the HOME key.

This menu is used to control the basic operation of the DVTR system.

With this menu, the following functions are available.

- Changing EE/PB signal setting temporarily
- Freezing a picture temporarily (flash freeze mode)
- Selecting time data for operation
- Time data clear
- Time display hold
- REC INHIBIT ON/OFF setting
- REMOTE/LOCAL setting

With this display, tape time data, audio level, tape speed or remaining amount of tape can be checked during recording or playback, even if no menu operation is done.

Warning mark
In any menu, a warning mark appears at the upper right corner of the menu display if recording or playback cannot be performed correctly.

If this mark appears, select the DIAGNOSTICS menu by pressing the DIAG key. In the DIAGNOSTICS menu, an error message indicates where the trouble is.

Cassette display
Indicates the cassette size, tape running direction and approximate amount of tape on each reel.

Search Indicator
Tape running speed and direction set with the search dial can be monitored.

Speed
Search mode (SHUTTLE or VAR mode): Tape speed in the selected mode
Other modes: Preset speed for the VAR mode operation

Speed/direction scale:
The bar length shows the approximate speed command.

Audio signal level of each channel is indicated.

DA 1 to DA 4: Digital audio 1 to 4 channels

CUE: Analog cue channel

L/R: Appears below the meter of the channel selected for the MONITOR OUT R/L connector.

Markers (◄ / ►) on the meter
◄ and ► on both sides of each audio channel's meter indicate the setting for the output level and recording level adjusted in the LEVEL ADJUST menu. The marker does not appear when the level is set to the unity level (–20 dB).

Time data
The elapsed tape running time is displayed in hours: minutes: seconds: frames. Other time data information is also provided.

Time data source:
TCG: Time code generator
TCR: Time code reader
TM 1: Timer-1
TM 2: Timer-2
UBG: User bit generator
UBR: User bit reader

DF: When the drop frame mode is selected or when the played back time code is in the drop frame mode.

ASTC: When the audio sector time code is used.

INTRP: When interpolated time code is displayed.

Remaining Time
The amount of time remaining on tape is indicated.

Cue Time
Cue time can be set here with the ENTRY IN/OUT button or the numeric keys of the 20-key section. The entered cue time can be used for the preroll or search operation.

Track Auto
Track Auto is displayed on the cassette display when automatic tracking is enabled.

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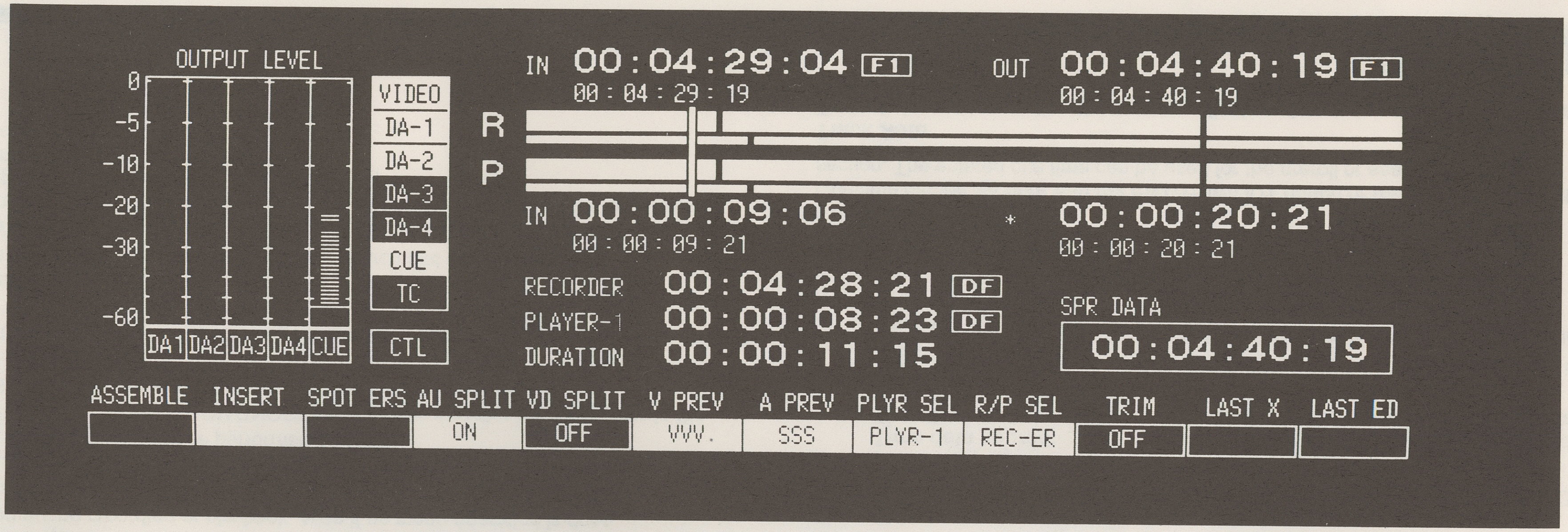


IN 00:04:29:04 F1
00:04:29:19

OUT 00:04:40:19 F1
00:04:40:19

IN 00:00:09:06
00:00:09:21

* 00:00:20:21
00:00:20:21

RECORDER 00:04:28:21 DF
PLAYER-1 00:00:08:23 DF
DURATION 00:00:11:15

SPR DATA 00:04:40:19

ASSEMBLE
INSERT
SPOT ERS
AU SPLIT ON
VD SPLIT OFF
V PREV VVV.
A PREV SSS
PLYR SEL PLYR-1
R/P SEL REC-ER
TRIM OFF
LAST X
LAST ED

AUTO EDIT

The AUTO EDIT menu is displayed when the AUTO EDIT key is pressed.

This menu is used to perform automatic editing.

With this menu, the following functions are available.

- Selection of an edit mode: assemble, insert, spot erase or split edit mode
- Selection of the channels to be edited
- Selection of the preview mode
- Selection of the source player
- Selection of the VTR which is to be controlled: the recorder or the player
- Trim of the IN/OUT points and the duration
- Recalling the last entered edit point data or the last activated edit data

Channel select display
The channels selected for editing are displayed.

VIDEO: Video channel
DA-1, DA-2, DA-3, DA-4: Digital audio channels 1 to 4
CUE: Analog cue channel
TC: Time code channel
CTL: Control signal channel

Edit point data
The entered IN/OUT point data is displayed in hours: minutes: seconds: frames.

The edit field (F1 or F2) is also displayed.

Time data
Tape time of the recorder and the connected player is displayed in hours: minutes: seconds: frames. Drop frame flag is displayed when drop frame time code is used.

DURATION
The data of time duration between the IN point and the OUT point is displayed in hours: minutes: seconds: frames.

Scratch Pad Register (SPR)
A temporary register for transferring data and performing simple mathematical operations.

Tape point indicator
During editing, the present tape point is indicated with the tape point indicator on the bars.

IN/OUT points in split editing
The display shows the video and audio IN/OUT points separately.

Split edit mode
In this mode, either the audio or video edit data is set separately after the main data is set.

Digital audio and analog cue channels are edited according to the audio edit data, and video and time code channels are edited according to the video edit data if the channels are selected.

Source player selection
PLYR-1: The VTR connected to the REMOTE 2 (OUT) connector
PLYR-2: The VTR connected to the REMOTE 3 (IN/OUT) connector

Setting the duration data
By setting the desired duration data in the DURATION display after either the IN or OUT point data is set, the other point can be automatically calculated and set.

To recall the previous data after new data is entered
Instead of pressing SET, press CLR.

Or after pressing SET, press F11 (LAST X). To recall the new data, press F11 again.

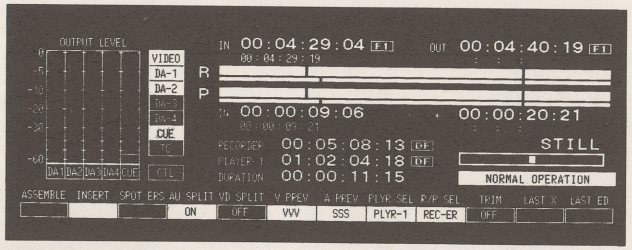
To recall the previous edit data
Press F12 (Last ED) after editing is finished.

The activated edit data (IN/OUT points data and duration data) prior to the current edit data will be recalled and displayed.

Auto Edit Variations

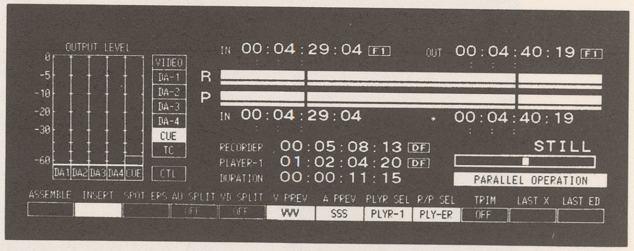
There are five types of auto edit functions:

- Normal
- Parallel
- Sequence
- Graphic
- Film-525



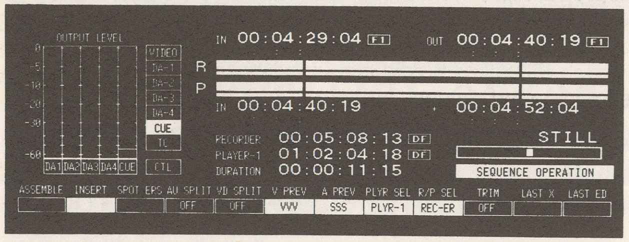
```
OUTPUT LEVEL          IN  00:04:29:04 F1          OUT 00:04:40:19 F1
0                         00:04:29:19
-5    VIDEO
-10   DA-1            R
-20   DA-2            P
-30   DA-3            IN  00:00:09:06                 00:00:20:21
      DA-4                00:00:09:21
      CUE
-60   TC              RECORDER  00:05:08:13 DF              STILL
DA1 DA2 DA3 DA4 CUE   PLAYER-1  01:02:04:18 DF
      CTL             DURATION  00:00:11:15          NORMAL OPERATION
ASSEMBLE INSERT SPOT ERS AU SPLIT VD SPLIT V PREV A PREV PLYR SEL R/P SEL TRIM LAST X LAST ED
                         ON       OFF      VVV    SSS    PLYR-1   REC-ER  OFF
```

Normal mode is for insert and assemble edits from a second machine or from a signal source.



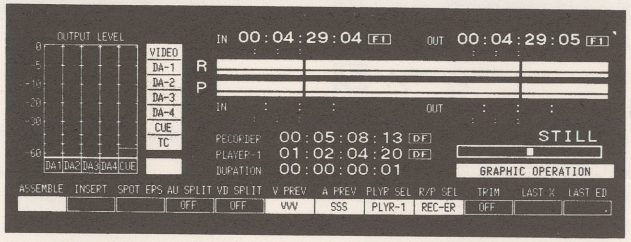
```
OUTPUT LEVEL          IN  00:04:29:04 F1          OUT 00:04:40:19 F1
0
-5    VIDEO
-10   DA-1            R
-20   DA-2            P
-30   DA-3            IN  00:04:29:04                 00:04:40:19
      DA-4
      CUE
-60   TC              RECORDER  00:05:08:13 DF              STILL
DA1 DA2 DA3 DA4 CUE   PLAYER-1  01:02:04:20 DF
      CTL             DURATION  00:00:11:15          PARALLEL OPERATION
ASSEMBLE INSERT SPOT ERS AU SPLIT VD SPLIT V PREV A PREV PLYR SEL R/P SEL TRIM LAST X LAST ED
                         OFF      OFF      VVV    SSS    PLYR-1   PLY-ER  OFF
```

Parallel mode is used to run two DVR/DVPC-1000's synchronously for record and/or playback. This mode can be used for 4x4 (4:4:4:4) recording and playback, for example.



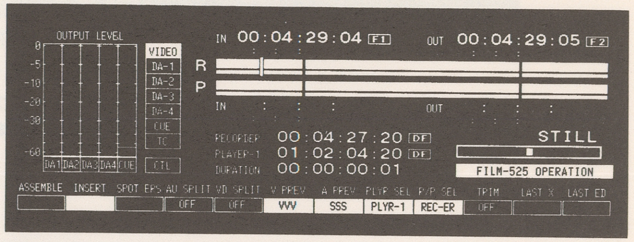
```
OUTPUT LEVEL          IN  00:04:29:04 F1          OUT 00:04:40:19 F1
0
-5    VIDEO
-10   DA-1            R
-20   DA-2            P
-30   DA-3            IN  00:04:40:19                 00:04:52:04
      DA-4
      CUE
-60   TC              RECORDER  00:05:08:13 DF              STILL
DA1 DA2 DA3 DA4 CUE   PLAYER-1  01:02:04:18 DF
      CTL             DURATION  00:00:11:15          SEQUENCE OPERATION
ASSEMBLE INSERT SPOT ERS AU SPLIT VD SPLIT V PREV A PREV PLYR SEL R/P SEL TRIM LAST X LAST ED
                         OFF      OFF      VVV    SSS    PLYR-1   REC-ER  OFF
```

Sequence operation is provided to permit playback of two tapes (in two machines) for long-play operation without interruption of audio or video.



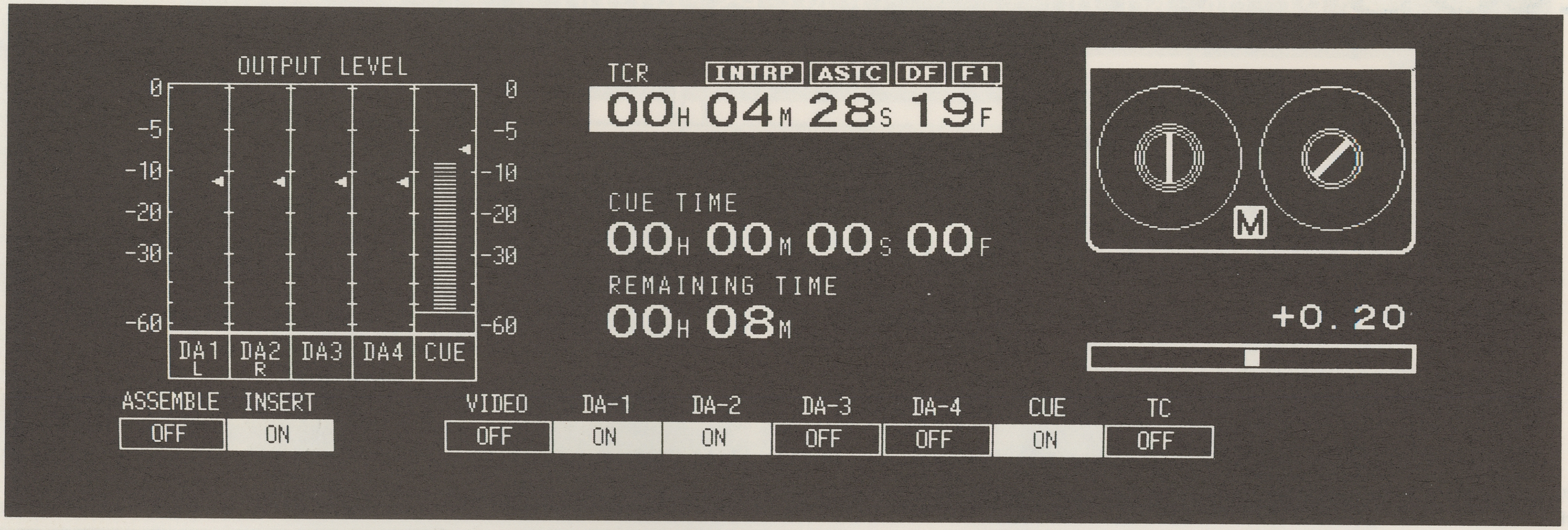
```
OUTPUT LEVEL          IN  00:04:29:04 F1          OUT 00:04:29:05 F1
0
-5    VIDEO
-10   DA-1            R
-20   DA-2            P
-30   DA-3            IN    :  :  :               OUT   :  :  :
      DA-4
      CUE
-60   TC              RECORDER  00:05:08:13 DF              STILL
DA1 DA2 DA3 DA4 CUE   PLAYER-1  01:02:04:20 DF
                      DURATION  00:00:00:01          GRAPHIC OPERATION
ASSEMBLE INSERT SPOT ERS AU SPLIT VD SPLIT V PREV A PREV PLYR SEL R/P SEL TRIM LAST X LAST ED
                         OFF      OFF      VVV    SSS    PLYR-1   REC-ER  OFF
```

Graphic mode provides incremental assignment of IN and OUT points to facilitate animation recording and 625/50 film frame recording.



```
OUTPUT LEVEL          IN  00:04:29:04 F1          OUT 00:04:29:05 F2
0
-5    VIDEO
-10   DA-1            R
-20   DA-2            P
-30   DA-3            IN    :  :  :               OUT   :  :  :
      DA-4
      CUE
-60   TC              RECORDER  00:04:27:20 DF              STILL
DA1 DA2 DA3 DA4 CUE   PLAYER-1  01:02:04:20 DF
      CTL             DURATION  00:00:00:01          FILM-525 OPERATION
ASSEMBLE INSERT SPOT ERS AU SPLIT VD SPLIT V PREV A PREV PLYR SEL R/P SEL TRIM LAST X LAST ED
                         OFF      OFF      VVV    SSS    PLYR-1   REC-ER  OFF
```

Film-525 mode automatically records a 2-field/3-field alternating sequence for 525/60 film frame recording.



TCR 00H 04M 28S 19F

CUE TIME 00H 00M 00S 00F

REMAINING TIME 00H 08M

ASSEMBLE OFF

INSERT ON

VIDEO OFF

DA-1 ON

DA-2 ON

DA-3 OFF

DA-4 OFF

CUE ON

TC OFF

MANUAL EDIT

The MANUAL EDIT menu is displayed when the MAN EDIT key is pressed.

This menu is used to perform manual assemble/insert editing.

With this menu, the following functions are available.

- Edit mode selection
- Selection of the channel to be edited during insert mode

Assemble: All the channels (video, digital audio 1/2/3/4, analog cue, TC, CTL channels) are edited at the same time.

Insert: Any desired channel(s) except the CTL channel can be designated. Since recording is performed referring to the previously recorded CTL signal, a tape on which the CTL signal has been already recorded must be used. To use a blank tape, record black on the video track before editing.

To select the channels for insert editing

Press the keys from F4 to F10 corresponding to the channels to be edited.

F4 : Video chanel

F5 to F8 : Digital audio channels 1 to 4

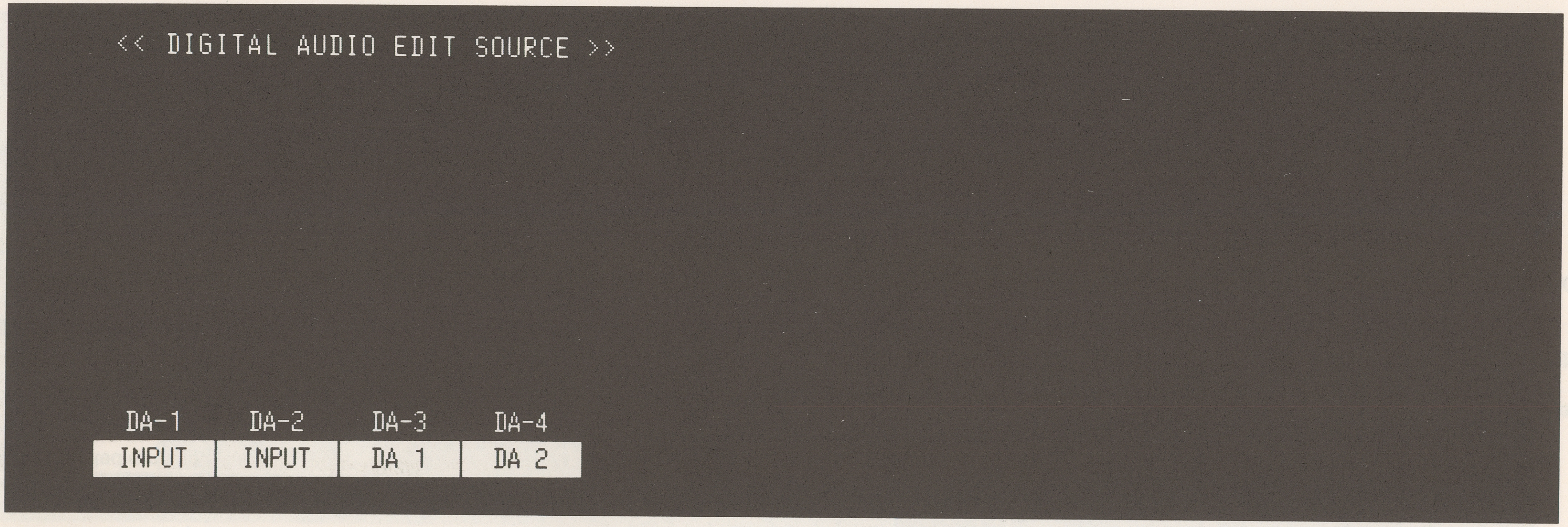
F9 : Analog cue channel

F10 : Time code channel

To cancel the selected channel

Press the key again.

Each channel can be switched on or off during editing. If all the channels are switched off during editing, the insert mode will be cancelled and the unit is set in the PLAY mode.



```
<< DIGITAL AUDIO EDIT SOURCE >>







  DA-1     DA-2     DA-3     DA-4
 INPUT    INPUT     DA 1     DA 2
```

DIGITAL AUDIO EDIT SOURCE

The DIGITAL AUDIO EDIT SOURCE menu is displayed when the EDIT SRC key is pressed.

This menu is used to select the audio edit source for the digital audio channels.

The audio edit source selected in this menu is effective for all the edit modes.

Selectable edit source

The edit source for each channel is selected from either the external input source or the internal source (one of the other three digital audio channels).

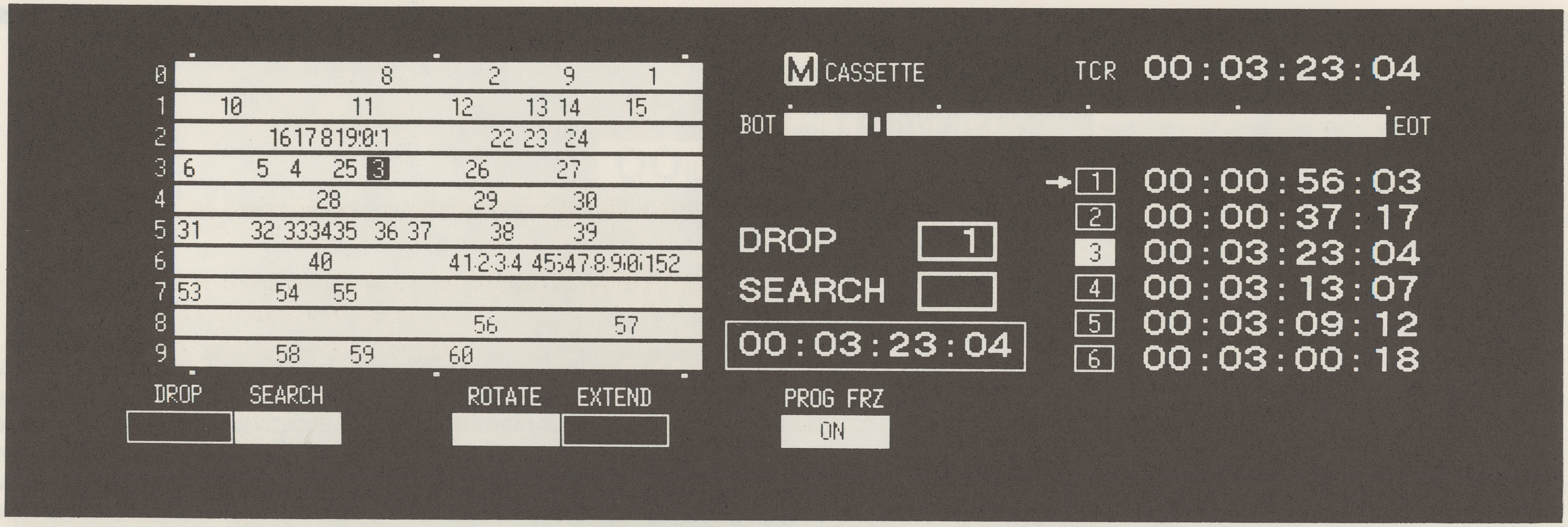
Press the corresponding key to select the edit source for the desired digital audio channel.

Every time the key is pressed, one of the four edit sources is selected in turn.

INPUT: Audio input signal is recorded.

DA-1/2/3/4 (Digital audio-1/2/3/4): Digital audio signal already recorded on each DA-1/2/3/4 channel is pre-read with each advance head.

These signals are selected as the internal edit source to be recorded.


0 8 2 9 1
1 10 11 12 13 14 15
2 16 17 8 19 '0 '1 22 23 24
3 6 5 4 25 3 26 27
4 28 29 30
5 31 32 33 34 35 36 37 38 39
6 40 41 2 3 4 45 ; 47 8 9 '0 1 52
7 53 54 55
8 56 57
9 58 59 60
DROP
SEARCH
ROTATE
EXTEND
M CASSETTE
TCR 00:03:23:04
BOT
EOT
DROP 1
SEARCH
00:03:23:04
PROG FRZ
ON

→ 1 00:00:56:03
2 00:00:37:17
3 00:03:23:04
4 00:03:13:07
5 00:03:09:12
6 00:03:00:18

MULTI CUE

The MULTI CUE menu is displayed when the MULTI CUE key is pressed.

This menu is used to set multiple cue points and later to search for them.

With this menu, the following functions are available.

- Setting of 6 or up to 99 cue points used for the search/preroll operation
- Search for a cue point and preroll near to the cue point
- Programmed freeze at a cue point in search mode

Cue point map

Shows a 10-minute scale for the cue point allocation. The map changes every 10 minutes after the tape has started running.

The corresponding cue number is displayed every time a cue point is entered.

Cassette size indicator

Shows the cassette size being used.

Time data

The elapsed tape running time of the inserted cassette is displayed in hours: minutes: seconds: frames, and time data information is provided.

Tape position indicator

Shows an approximation of the current tape positon in relation to the whole length of the tape.

BOT: Beginning of tape **EOT:** End of tape

Cue point list

Displays the entered cue points.

A cue number is given to each cue point. Use the number to designate the desired cue point.

The DROP number pointer or the SEARCH number indicator appears.

Search number indicator

Appears only in the SEARCH mode and shows the cue point to be search for.

DROP number pointer

Appears only in the DROP mode and shows the next drop cue number to be set.

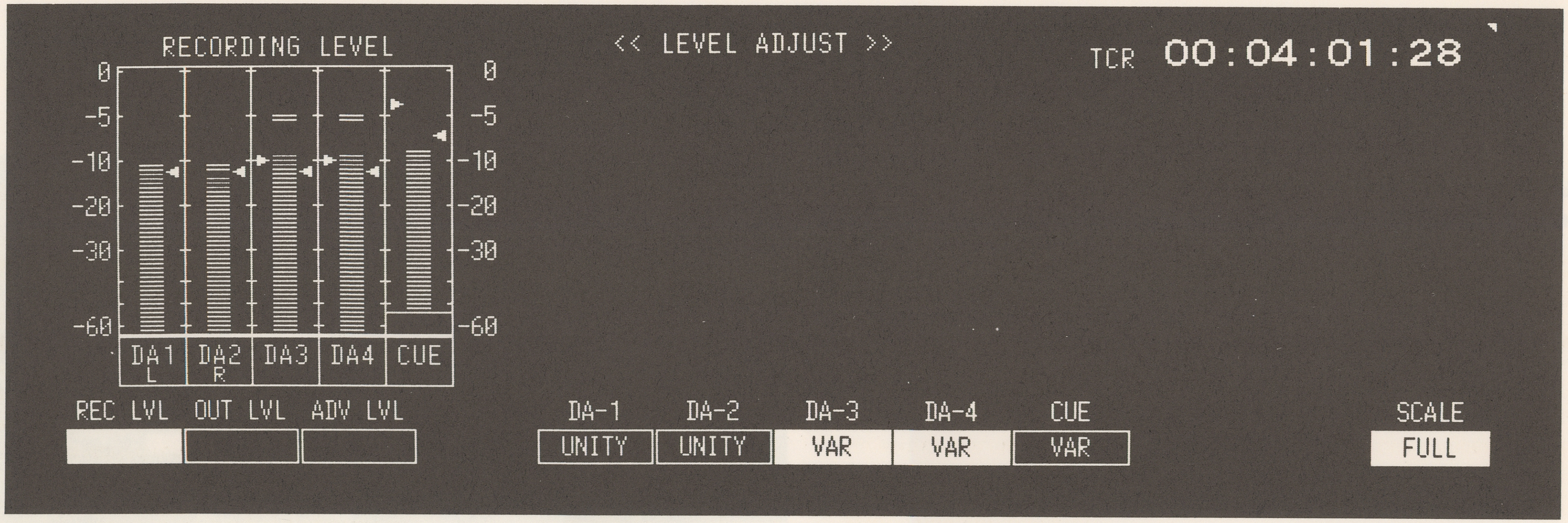
SEARCH display

The cue number corresponding to the SEARCH number indicator is displayed in the SEARCH number box. That cue point will be searched for.

When T key is pressed in the SEARCH mode, a destination box will appear below the SEARCH display and the cue number in the SEARCH number box will disappear.

DROP display

The cue number corresponding to the DROP number pointer is displayed in the DROP number box. A cue point will be set for that cue number in the DROP mode.



<< LEVEL ADJUST >>

TCR 00:04:01:28

DA-1 UNITY
DA-2 UNITY
DA-3 VAR
DA-4 VAR
CUE VAR
SCALE FULL

LEVEL ADJUST

The LEVEL ADJUST menu is displayed when the LEVEL ADJ key is pressed.

With this menu, the level of the following audio signals can be adjusted.

- Recording level and output signal volume of analog and digital audio channels
- ADVANCE audio output signal level of digital audio channels

Adjustment of the following is possible in this menu.

- Recording level of all the audio channels
- Volume of the output signal of all the audio channels
- ADVANCE audio output signal level of digital audio channels

The level can be set in the following two ways.
(1) By adjusting the level manually.
(2) By setting the level to the unity level.

The adjusted level of each channel is indicated with markers (► and ◄) on the meter.

The marker disappears when the level is set to the unity level.

The current tape timer or time code number is displayed.

According to F12 (SCALE) setting, one of two ranges can be indicated on the audio peak level meter.

FULL: The meter displays the range from 0 dB to –60 dB.
FINE: The –12 dB to –22 dB scale is displayed for fine adjustment in this range. The level is measured in 0.2 dB steps.

To select the signal to be adjusted
Set the corresponding key to on to adjust the level of the desired signal.

F1 (REC): Recording level
F2 (OUTPUT): Volume of the audio output signal
F3 (ADVANCE): ADVANCE audio level (Only for the digital audio channels)

When a key is pressed, it is set to on, and the others are set to off. It is not possible to set all the keys to off at the same time.

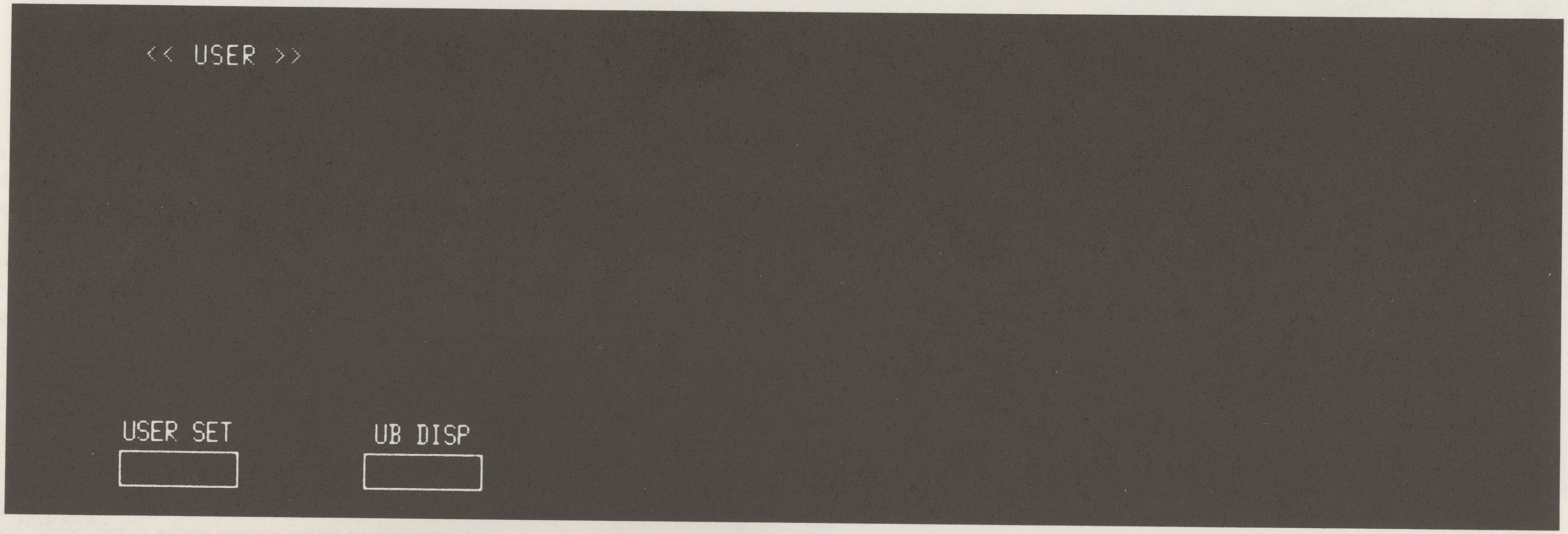
To select the channels
Set the corresponding key to on to adjust the channel signal level.

F5 (DA-1): Digital audio channel 1
F6 (DA-2): Digital audio channel 2
F7 (DA-3): Digital audio channel 3
F8 (DA-4): Digital audio channel 4
F9 (CUE): Analog cue channel

As many digital audio channels as desired can be selected.

F9 and any other keys of F5 to F8 cannot be set to on together. Adjust the analog cue channel signal alone.

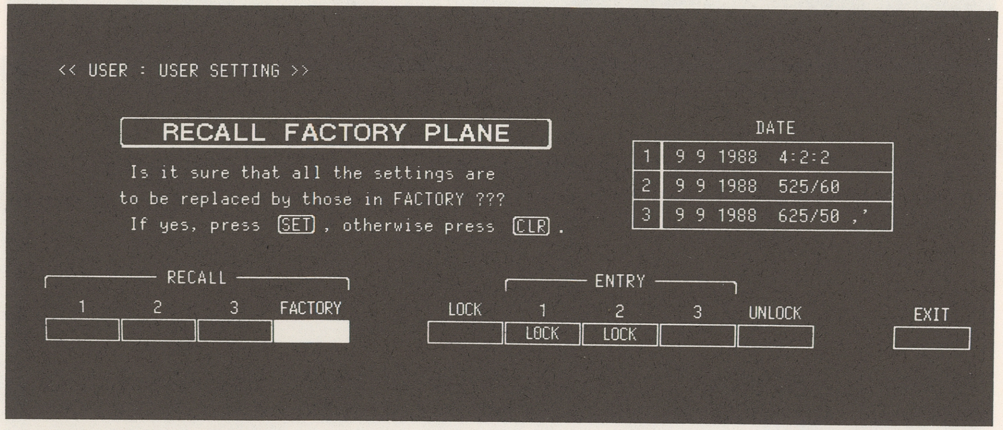
At the factory preset condition, these keys are set to off and indicate "UNITY" to show that the level is set to the unity level.


<< USER >>
USER SET
UB DISP

USER

The USER menu is displayed when the USER key is pressed. This menu is used to select the USER sub menus.

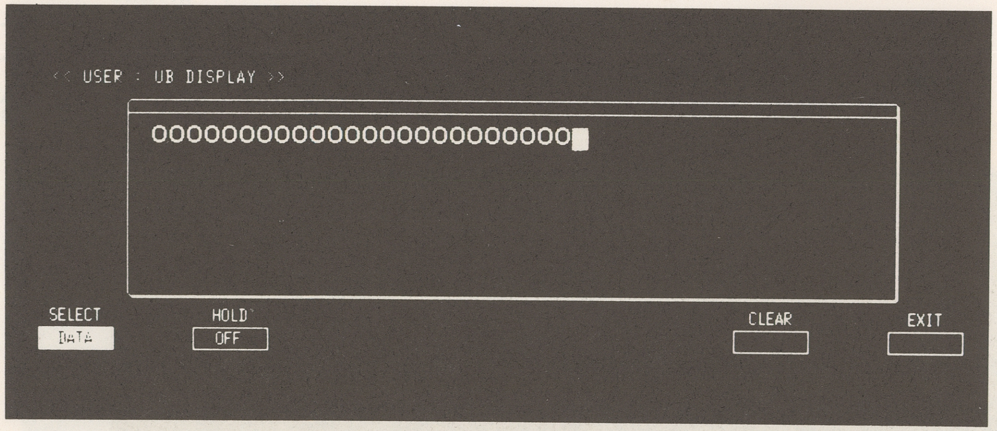
The USER menu shows only the function key assignment as it has no menu displays.


<< USER : USER SETTING >>
RECALL
1
2
3
FACTORY
ENTRY
LOCK
1
LOCK
2
LOCK
3
UNLOCK
EXIT

RECALL FACTORY PLANE

Is it sure that all the settings are
to be replaced by those in FACTORY ???
If yes, press SET , otherwise press CLR .

	DATE	
1	9 9 1988	4:2:2
2	9 9 1988	525/60
3	9 9 1988	625/50 ,'


<< USER : UB DISPLAY >>
SELECT
DATA
HOLD
OFF
CLEAR
EXIT

000000000000000000000000

User

Sub Menus

USER SETTING

The USER SETTING USER sub menu is displayed when F1 is pressed in the USER menu.

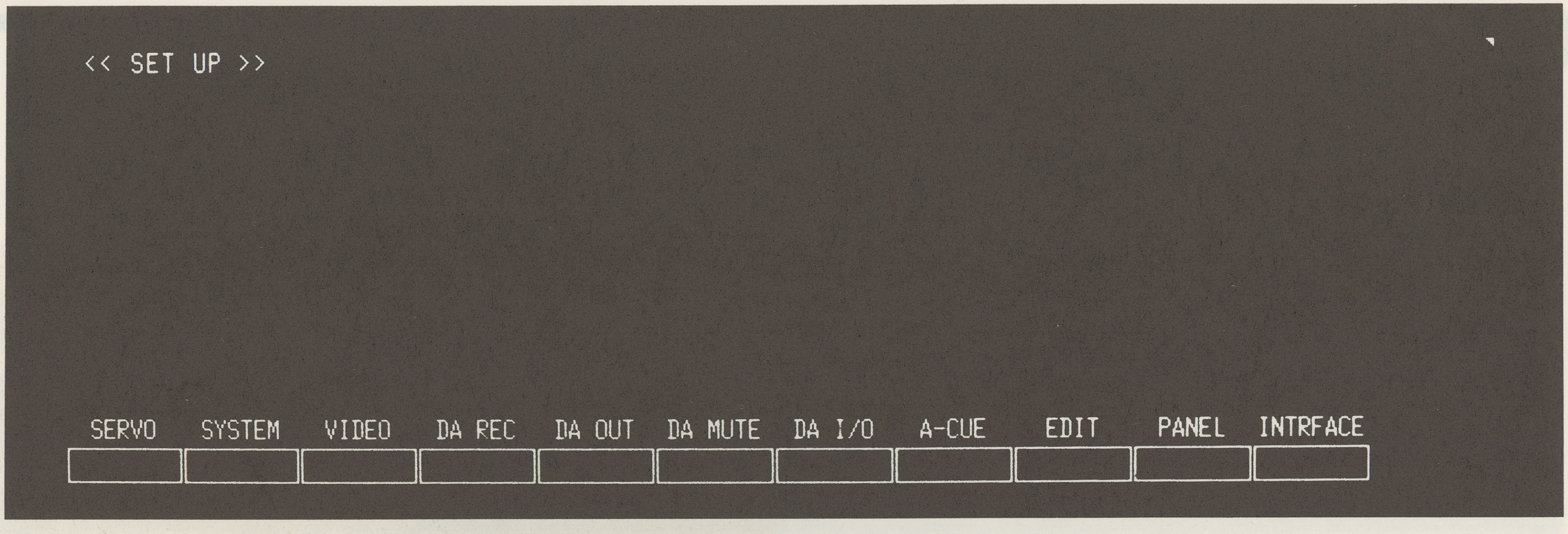
This Menu is used to store and recall machine settings in NOVRAM. With this menu, the following functions are available.

- Storing up to three "planes" of machine settings
- Recall of user and factory machine settings
- Numeric identification for user planes

UB DISPLAY

The UB DISPLAY USER sub menu is displayed when F3 is pressed in the USER menu.

This menu is used to display time code user bit data.

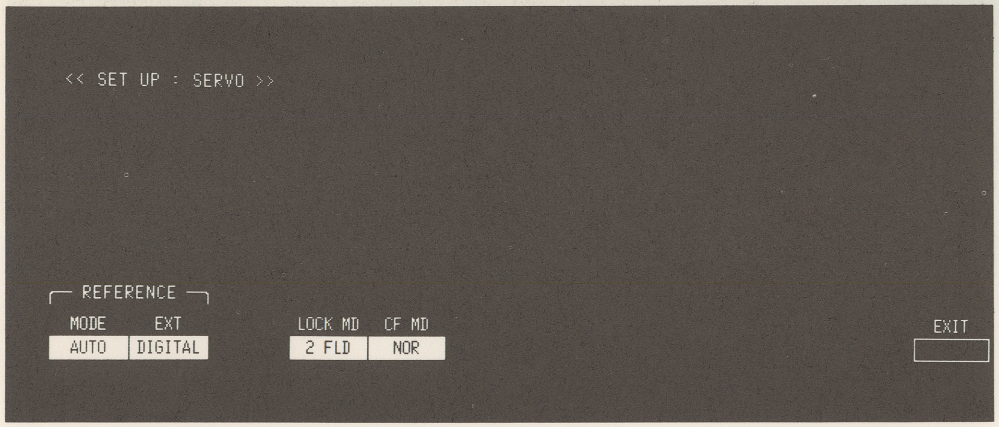

<< SET UP >>
SERVO
SYSTEM
VIDEO
DA REC
DA OUT
DA MUTE
DA I/O
A-CUE
EDIT
PANEL
INTRFACE

SET UP

This menu is composed of 11 sub menus.

The SET UP menu is displayed when the SET UP key is pressed. This menu is used to select the SET UP sub menus.

The SET UP menu and some SET UP sub menus show only the function key assignment as they have no menu display.


<< SET UP : SERVO >>
REFERENCE
EXIT

MODE AUTO
EXT DIGITAL
LOCK MD 2 FLD
CF MD NOR

Set-UP

Sub Menus

SERVO SET UP

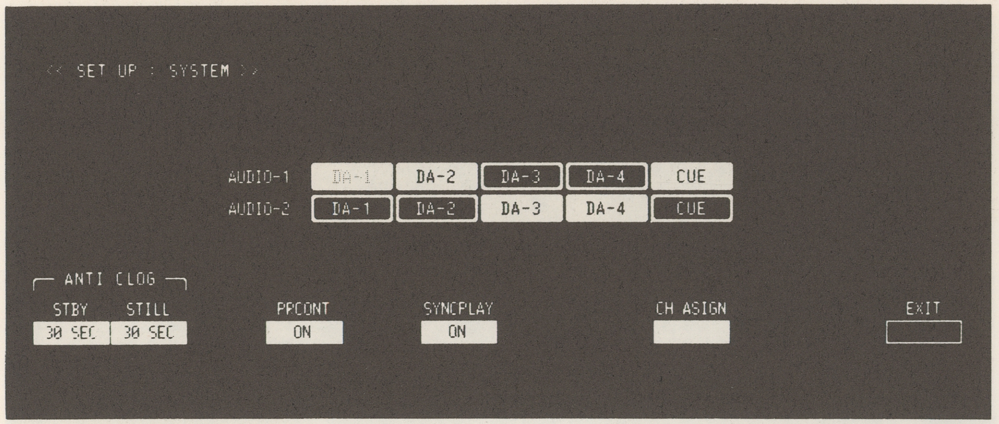
The SERVO SET UP sub menu is displayed when F1 is pressed in the SET UP menu. This menu is used to select settings for the servo lock.

With this menu, the following functions are available.

- Selection of the reference sync signal for the servo lock
- Selection of the capstan servo lock mode
- Selection of the color frame lock mode

Set-UP

Sub Menus



<< SET UP : SYSTEM >>

AUDIO-1 DA-1 DA-2 DA-3 DA-4 CUE

AUDIO-2 DA-1 DA-2 DA-3 DA-4 CUE

ANTI CLOG

STBY 30 SEC

STILL 30 SEC

PRCONT ON

SYNCPLAY ON

CH ASIGN

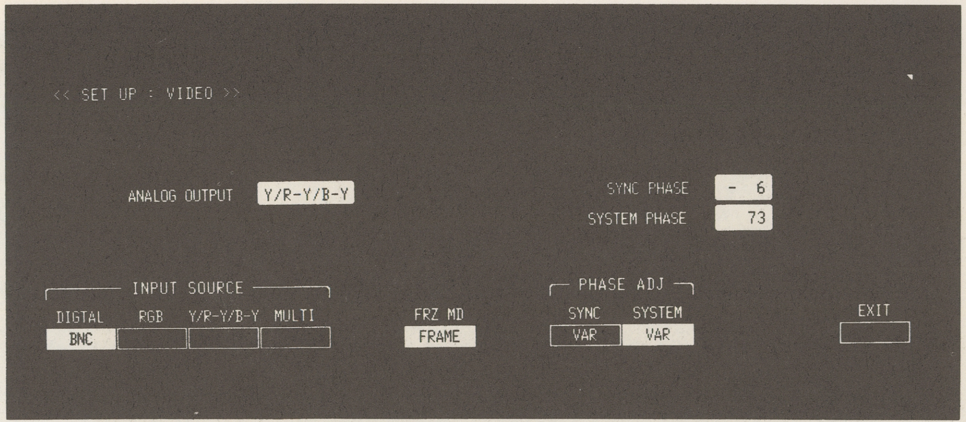
EXIT

SYSTEM SET UP

The SYSTEM SET UP sub menu is displayed when F2 is pressed in the SET UP menu.

With this menu, the following functions are available.

- Setting of the STANDBY off timer and STILL off timer.
- Selection of control mode of the board switches in the DVPC-1000
- Indication of the interface boards inserted in the REMOTE slot 1 and 2 of the DVR-1000 rear panel
- Selection of audio channels to be edited upon receipt of RS-422-A Audio 1 and Audio 2 edit commands
- Selection of SYNC PLAY mode for synchronization during preroll for playback



<< SET UP : VIDEO >>

ANALOG OUTPUT Y/R-Y/B-Y

SYNC PHASE - 6

SYSTEM PHASE 73

INPUT SOURCE

DIGTAL BNC

RGB

Y/R-Y/B-Y

MULTI

FRZ MD FRAME

PHASE ADJ

SYNC VAR

SYSTEM VAR

EXIT

VIDEO SET UP

The VIDEO SET UP sub menu is displayed when F3 is pressed in the SET UP menu.

This menu is used to make settings for the video signal.

With this menu, the following functions are available.

- Selection of the video signal input source
- Selection of the field or frame which comprises the flash freeze picture
- Adjustment of the sync phase and system phase
- Display of analog output mode, RGB or Y/R-Y/B-Y
- Display of sync phase and system phase settings

Set-UP

Sub Menus

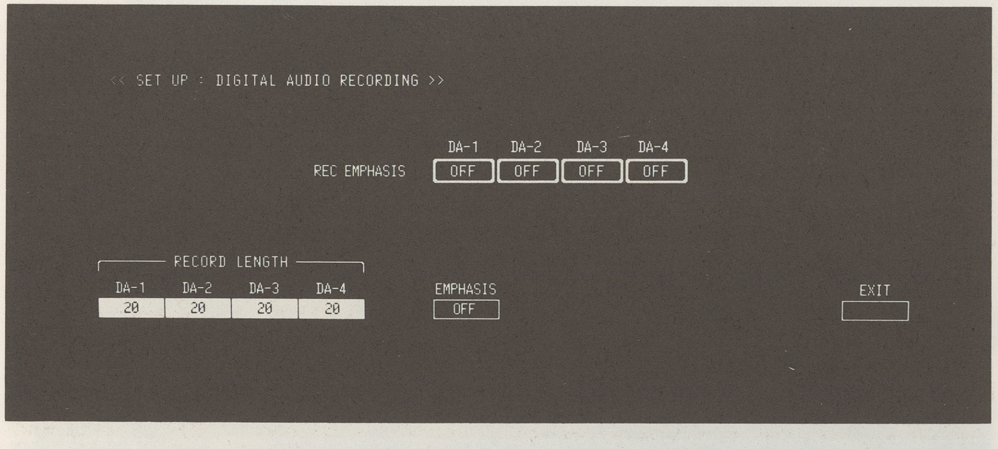
DIGITAL AUDIO RECORDING SET UP

The DIGITAL AUDIO RECORDING SET UP sub menu is displayed when F4 is pressed in the SET UP menu.

This menu is used to make settings for the signals input to the digital audio channels.

With this menu, the following functions are available.

- Setting of the recording length of the audio data word
- Activating the emphasis circuit for the analog audio input signal



```
<< SET UP : DIGITAL AUDIO RECORDING >>

                DA-1  DA-2  DA-3  DA-4
REC EMPHASIS    OFF   OFF   OFF   OFF

RECORD LENGTH
DA-1  DA-2  DA-3  DA-4      EMPHASIS        EXIT
 20    20    20    20         OFF
```

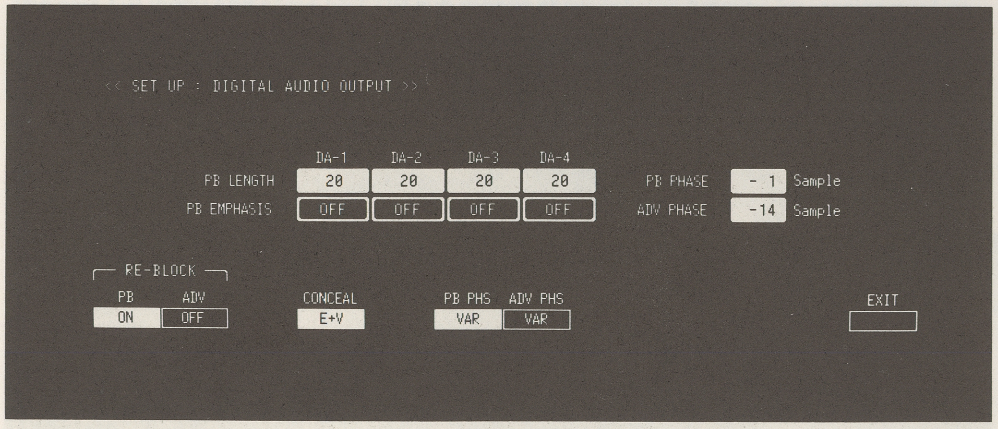
DIGITAL AUDIO OUTPUT SET UP

The DIGITAL AUDIO OUTPUT SET UP sub menu is displayed when F5 is pressed in the SET UP menu

This menu is used to make the settings for the output signal from the digital audio channels.

With this menu, the following functions are available.

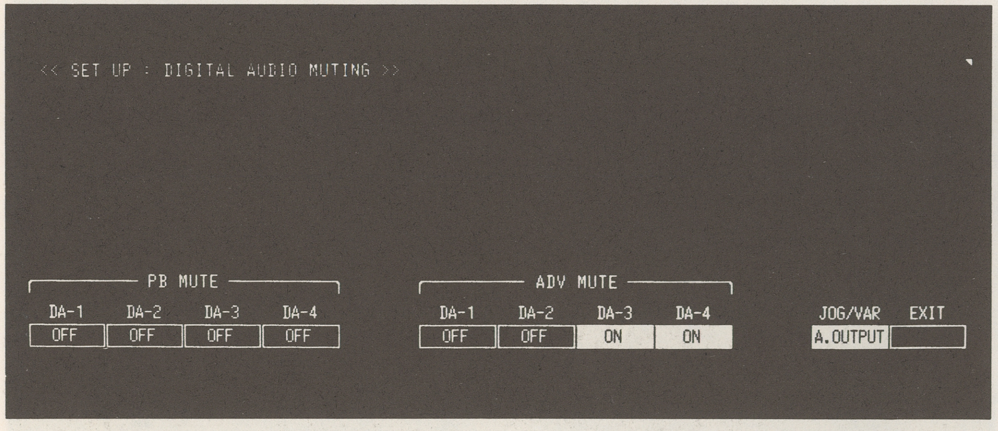
- Setting the RE-BLOCK mode to ON/OFF
- Selection of errors to be concealed in the digital/analog audio input/output signal
- Phase adjustment of digital/analog playback signal or ADVANCE audio signal
- Display of off-tape audio data length and emphasis
- Display of PB and ADV audio phase



```
<< SET UP : DIGITAL AUDIO OUTPUT >>

             DA-1  DA-2  DA-3  DA-4
PB LENGTH     20    20    20    20     PB PHASE   - 1 Sample
PB EMPHASIS   OFF   OFF   OFF   OFF    ADV PHASE  -14 Sample

RE-BLOCK
PB   ADV      CONCEAL     PB PHS  ADV PHS           EXIT
ON   OFF       E+V         VAR     VAR
```

Set-UP

Sub Menus



<< SET UP : DIGITAL AUDIO MUTING >>

PB MUTE

DA-1	DA-2	DA-3	DA-4
OFF	OFF	OFF	OFF

ADV MUTE

DA-1	DA-2	DA-3	DA-4
OFF	OFF	ON	ON

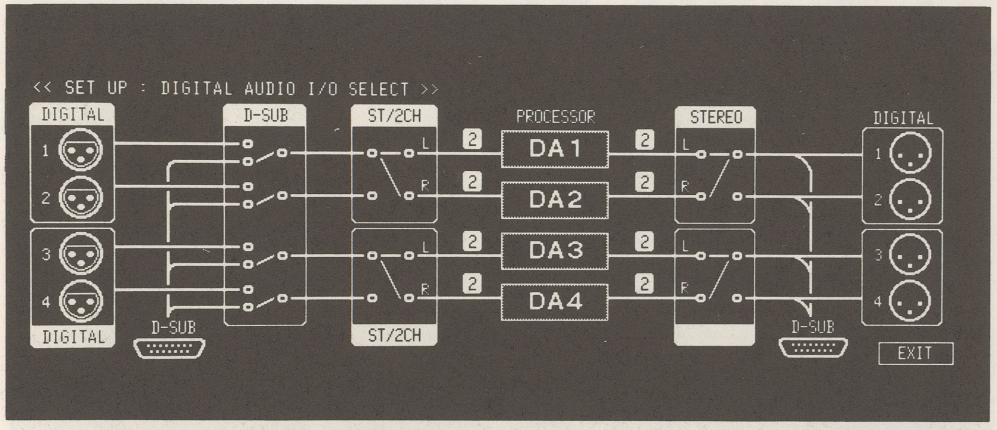
JOG/VAR	EXIT
A.OUTPUT	

DIGITAL AUDIO MUTING SET UP

The DIGITAL AUDIO MUTING SET UP sub menu is displayed when F6 is pressed in the SET UP menu.

This menu is used to mute the digital/analog audio playback signal or the ADVANCE audio signal of the digital audio channels.

Digital Audio can be selectively muted or unmuted in JOG and VAR modes, which may be useful for finding audio edit points at slow speed.



<< SET UP : DIGITAL AUDIO I/O SELECT >>

DIGITAL AUDIO I/O SELECT

The DIGITAL AUDIO I/O SELECT sub menu is displayed when F7 is pressed in the SET UP menu.

This menu is used to make settings for the input/output signals of the digital audio channels.

With this menu, the following functions are available.

- Selection of digital or analog audio input signal
- Selection of digital audio input connector
- Selection of the recording channel mode or output channel mode

Menu display

Since the menu display in this menu differs according to the selected input signal, the illustration is different from that of the factory preset condition.

The connecting lines in the menu display indicate the flow of the signals in the DVPC-1000.

Set-UP

Sub Menus

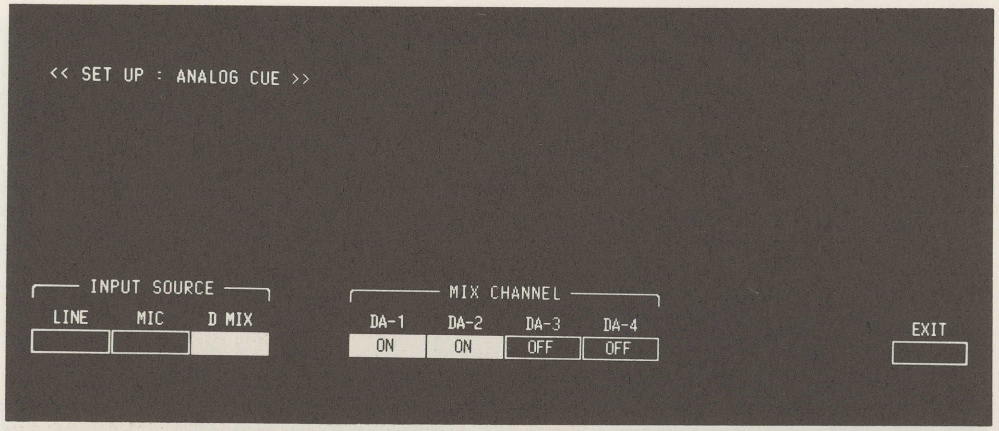
ANALOG CUE SET UP

The ANALOG CUE SET UP sub menu is displayed when F8 is pressed in the SET UP menu.

This menu is used to make settings on the analog cue (analog audio) channel signal.

With this menu, the following functions are available.

- Selection of the input source for the analog cue channel
- Selection of the digital audio channel signals to be simultaneously recorded on the analog cue channel.



<< SET UP : ANALOG CUE >>

INPUT SOURCE: LINE, MIC, D MIX

MIX CHANNEL: DA-1 ON, DA-2 ON, DA-3 OFF, DA-4 OFF

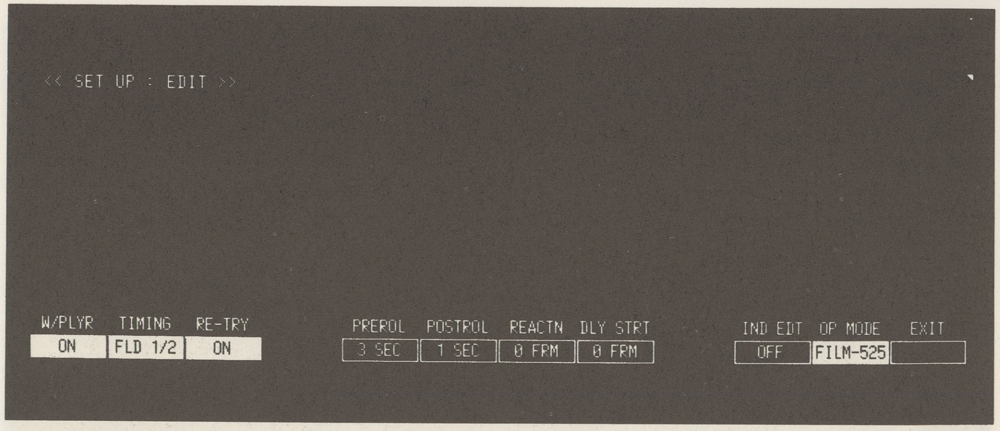
EDIT SET UP

The EDIT SET UP sub menu is displayed when F9 is pressed in the SET UP menu.

This menu is used to set the editing conditions necessary for manual and automatic editing.

With this menu, the following functions are available.

- Selection of whether or not the VTRs connected to the REMOTE output connectors (player VTRs) are controlled by the control panel of this unit
- Edit timing selection (field setting)
- RE-TRY mode setting
- Setting of preroll, postroll, reaction and delay start time
- IND EDIT to force editing independent of marginal error rate conditions



<< SET UP : EDIT >>

W/PLYR ON

TIMING FLD 1/2

RE-TRY ON

PREROL 3 SEC

POSTROL 1 SEC

REACTN 0 FRM

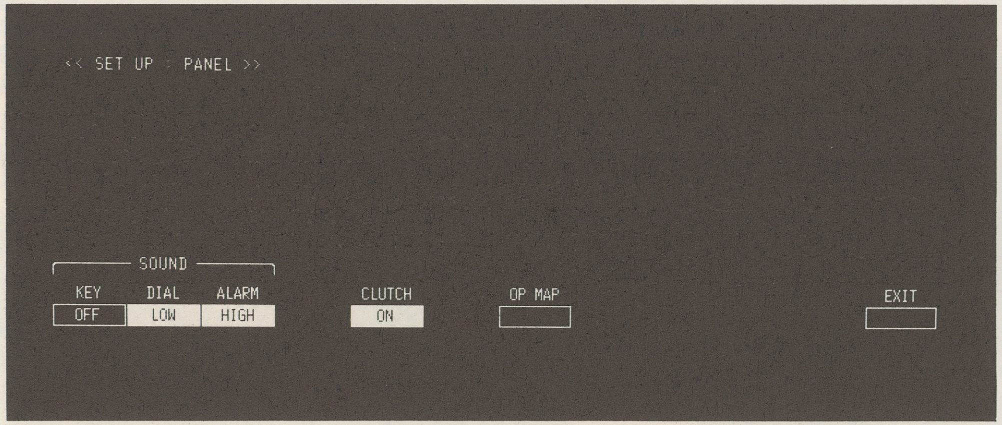
DLY STRT 0 FRM

IND EDT OFF

OP MODE FILM-525

Set-UP

Sub Menus



<< SET UP : PANEL >>

SOUND

KEY OFF

DIAL LOW

ALARM HIGH

CLUTCH ON

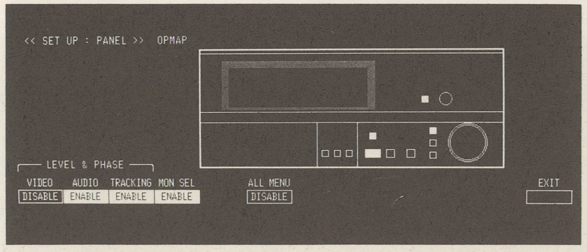
PANEL SET UP

The PANEL SET UP sub menu is displayed when F10 is pressed in the SET UP menu.

This menu is used to make settings for key or button operation on the control panel.

With this menu, the following functions are available.

- Level setting of the beep signal
- Removing the clutches from the search dial rotation
- Selection of controls and functions which are active at the control panel when the DVR-1000 is in REMOTE mode



<< SET UP : PANEL >> OPMAP

LEVEL & PHASE

VIDEO DISABLE

AUDIO ENABLE

TRACKING ENABLE

MON SEL ENABLE

ALL MENU DISABLE

The OP MAP sub menu of the PANEL SET UP sub menu is displayed when F7 is pressed in the PANEL SET UP sub menu.

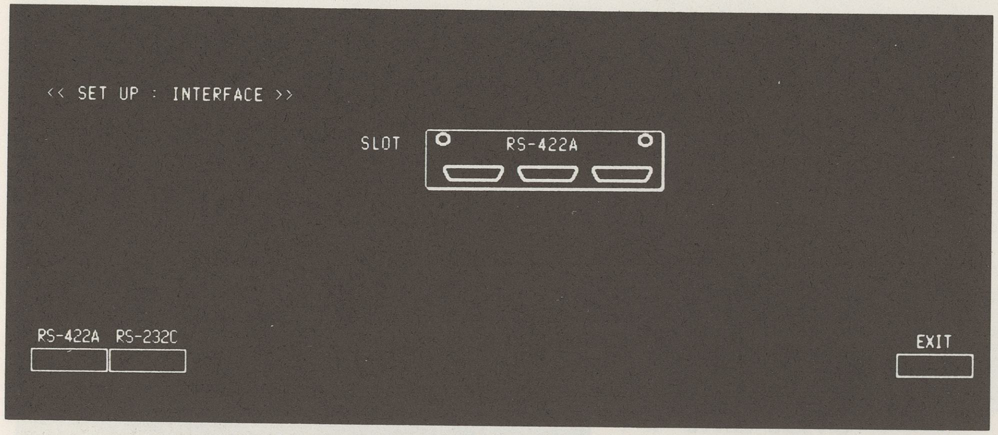
This menu allows selection of controls and functions to remain active when the DVR-1000 is in REMOTE mode.

The controls and functions which may be activated are:

- VIDEO PHASE adjustment of the VIDEO SET UP sub menu
- AUDIO LEVEL & PHASE adjustments of the LEVEL ADJ menu and DIGITAL AUDIO OUTPUT SET UP sub menu
- TRACKING CONTROL of the TRACKING SET UP sub menu
- MONITOR SELECTION of the MON menu
- ALL MENUS active in remote mode
- Tape transport controls

Set-UP

Sub Menus



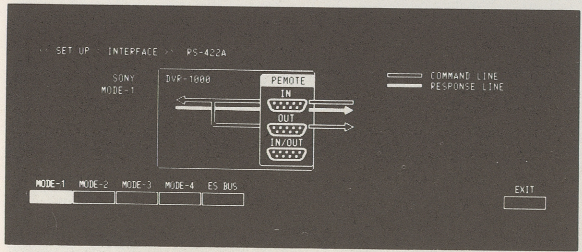
<< SET UP : INTERFACE >>
SLOT
RS-422A
RS-422A
RS-232C
EXIT

The INTERFACE SET UP sub menu is displayed when [F11] is pressed in the SET UP menu.

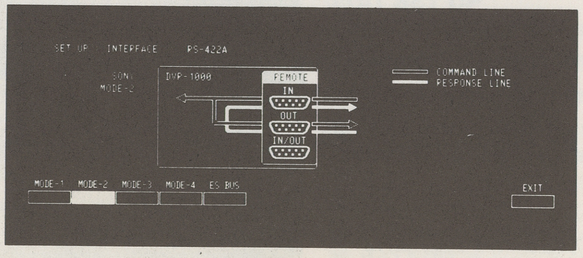
This menu is used to set parameters of the remote control interfaces.

With this menu, the following functions are available.

- Display of active interfaces (RS-422A, RS-232C, parallel)
- Selection of sub menus for setting RS-422A and RS-232C parameters



<< SET UP : INTERFACE >> RS-422A
SONY
MODE-1
DVR-1000
PEMOTE
IN
OUT
IN/OUT
COMMAND LINE
RESPONSE LINE
MODE-1
MODE-2
MODE-3
MODE-4
ES BUS
EXIT



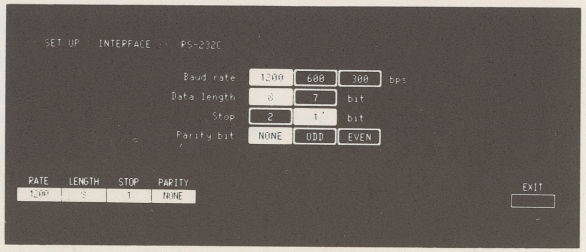
SET UP : INTERFACE RS-422A
SONY
MODE-2
DVR-1000
PEMOTE
IN
OUT
IN/OUT
COMMAND LINE
RESPONSE LINE
MODE-1
MODE-2
MODE-3
MODE-4
ES BUS
EXIT

The RS-422A sub menu of the INTERFACE SET UP sub menu is displayed when [F1] is pressed in the INTERFACE SET UP sub menu.

This menu provides selection of operating modes for the RS-422A interface.

With this menu, the following functions are available.

- Selection of Sony mode-1 operation for normal remote control and machine-to-machine editing
- Selection of Sony mode-2 operation for parallel-run operation
- Selection of Sony modes 3 and 4 which are similar to modes 1 and 2 respectively but use the IN/OUT connector instead of the IN connector
- Selection of ES bus operation



SET UP : INTERFACE >> RS-232C
Baud rate
1200
600
300
bps
Data length
8
7
bit
Stop
2
1
bit
Parity bit
NONE
ODD
EVEN
EXIT

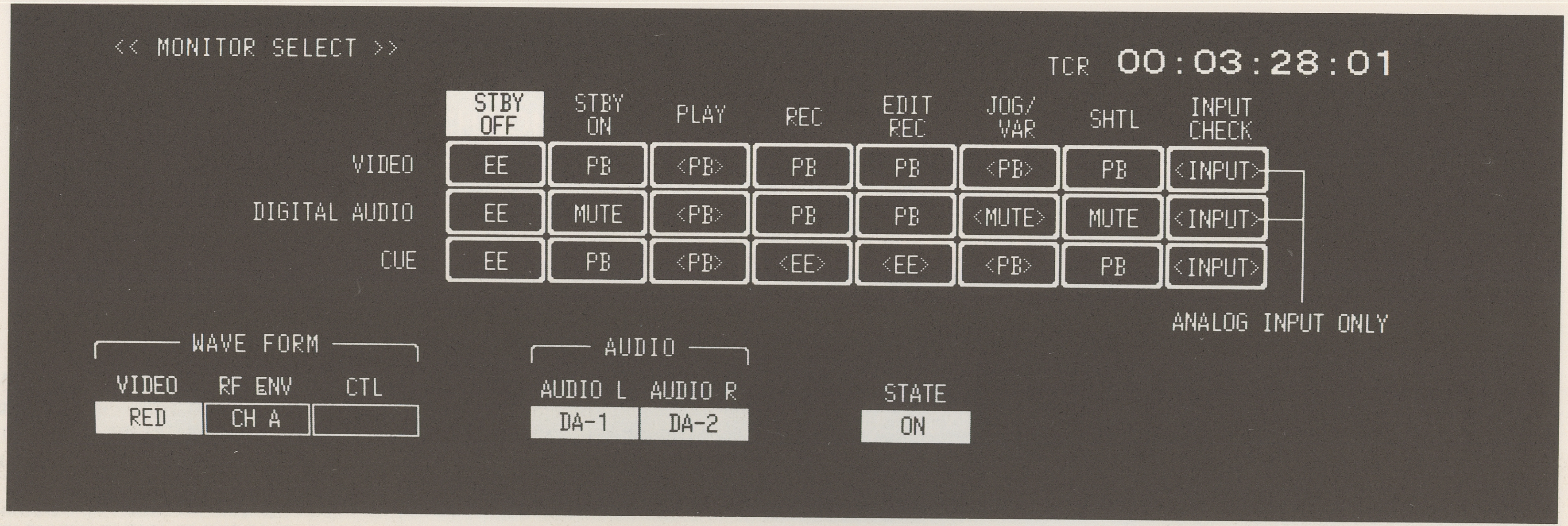
RATE	LENGTH	STOP	PARITY
1200	8	1	NONE

The RS-232C sub menu of the INTERFACE SET UP sub menu is displayed when [F2] is pressed in the INTERFACE SET UP sub menu.

This menu provides selection of parameters for the optional RS-232C interface.

With this menu, the following functions are available.

- Selection of baud rate
- Data length
- Number of stop bits
- Parity selection



<< MONITOR SELECT >>

TCR 00:03:28:01

	STBY OFF	STBY ON	PLAY	REC	EDIT REC	JOG/ VAR	SHTL	INPUT CHECK
VIDEO	EE	PB	<PB>	PB	PB	<PB>	PB	<INPUT>
DIGITAL AUDIO	EE	MUTE	<PB>	PB	PB	<MUTE>	MUTE	<INPUT>
CUE	EE	PB	<PB>	<EE>	<EE>	<PB>	PB	<INPUT>

ANALOG INPUT ONLY

WAVE FORM

VIDEO	RF ENV	CTL
RED	CH A	

AUDIO

AUDIO L	AUDIO R
DA-1	DA-2

STATE

ON

MONITOR

The MONITOR menu is displayed when the MON key is pressed.

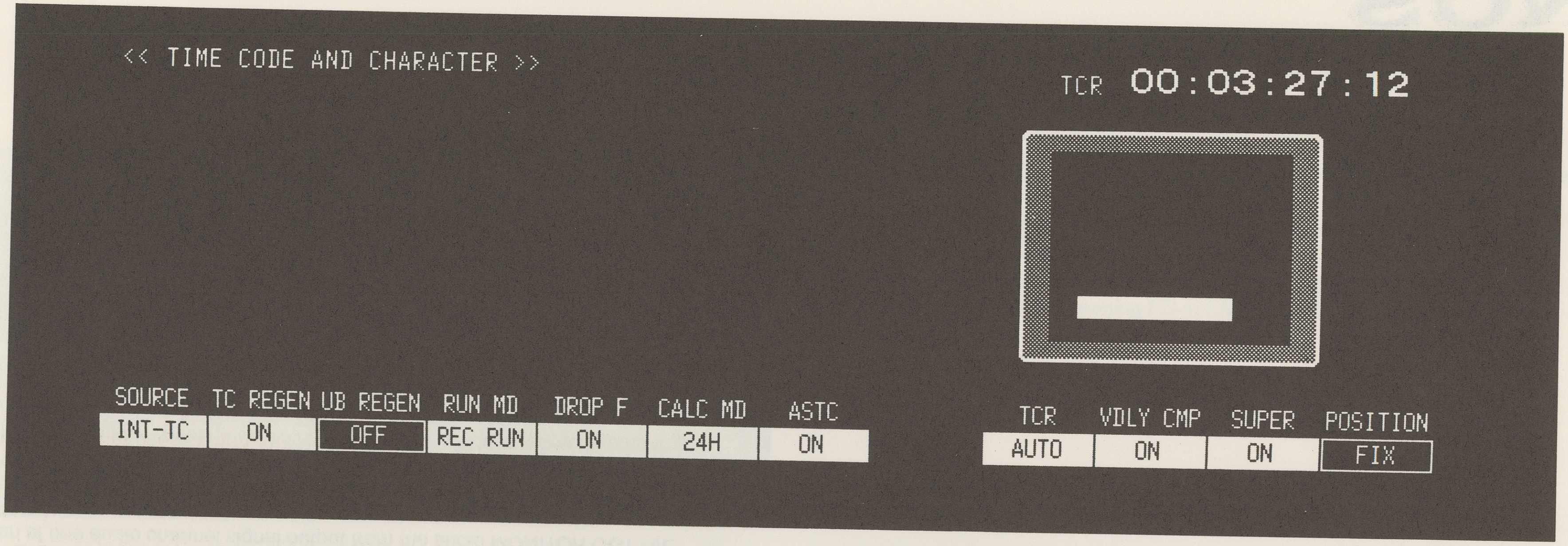
This menu is used to select the signals to be output from the MONITOR OUT, line output and the WFM OUT MONITOR connectors.

With this menu, the following functions are available.

- Selection of a signal to be output to the waveform monitor
- Selection of one audio channel signal output from the audio MONITOR OUT R/L connectors
- Selection of either PB, EE or MUTE signal to be output from the MONITOR OUT and line output connectors in each mode

The MONITOR menu has no menu display but shows the function key assignment.

The current tape timer or time code number is displayed.



```
<< TIME CODE AND CHARACTER >>
                                                              TCR 00:03:27:12

SOURCE  TC REGEN UB REGEN  RUN MD  DROP F  CALC MD  ASTC      TCR   VDLY CMP  SUPER  POSITION
INT-TC    ON       OFF    REC RUN    ON      24H     ON       AUTO     ON      ON      FIX
```

TIME CODE & CHARACTER

The TIME CODE & CHARACTER menu is displayed when the TC & CHR key is pressed.

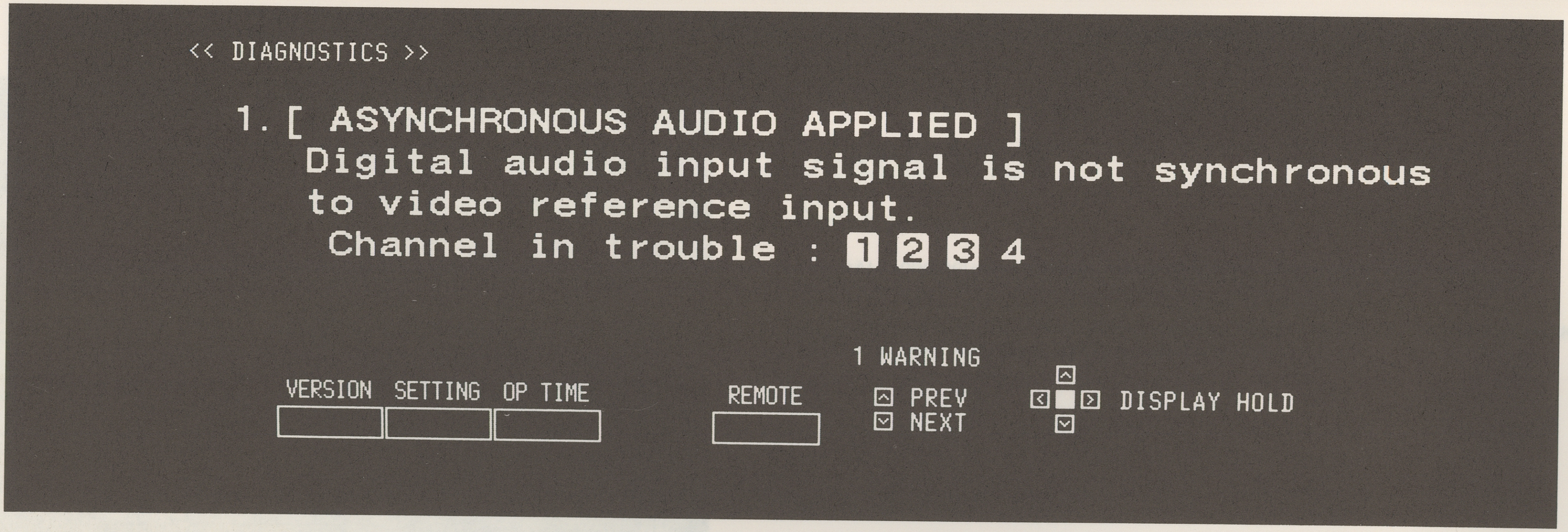
This menu is used to select the mode and functions of the time code. The setting selected in this menu is valid only for the internal time code/user bit generator/reader (except superimposition of the time data).

With this menu, the following functions are available.

- Selection of internal/external time code
- Selection of the time code generator/reader operation mode
- Setting the video delay compensation mode to ON/OFF
- Superimposition of the time data and its character position setting

The TIME CODE & CHARACTER menu has no menu display but shows the function key assignment.

The current tape timer or time code number is displayed.



<< DIAGNOSTICS >>

1. [ASYNCHRONOUS AUDIO APPLIED]
Digital audio input signal is not synchronous
to video reference input.
Channel in trouble : 1 2 3 4

1 WARNING

DIAGNOSTICS

The DIAGNOSTICS menu is displayed when DIAG key is pressed.
With this menu, the following functions are available.

- Indication of the ROM version on the internal circuit boards
- Indication of the selected items of the DVTR system settings
- Indication of the elapsed VTR operation time, etc.
- Selection of remote diagnostics for use with the optional RS-232C interface

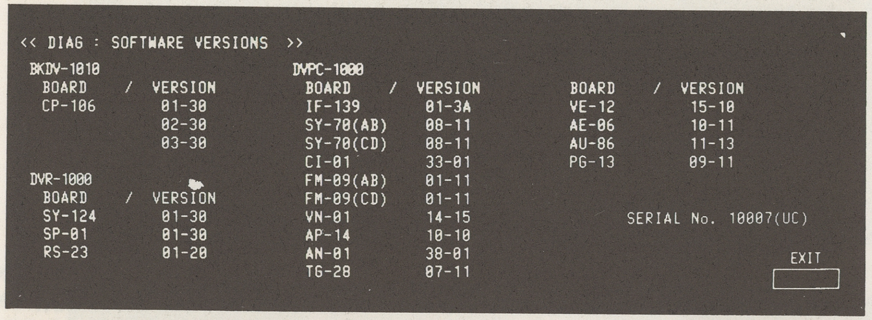
This menu is also used to display error messages which describe potential problems. The number of warnings is indicated and the cursor keys may be used to scroll through the messages. When one or more error conditions are indicated, the warning mark appears in the upper right-hand corner of each menu.

DIAGNOSTICS

Sub Menus

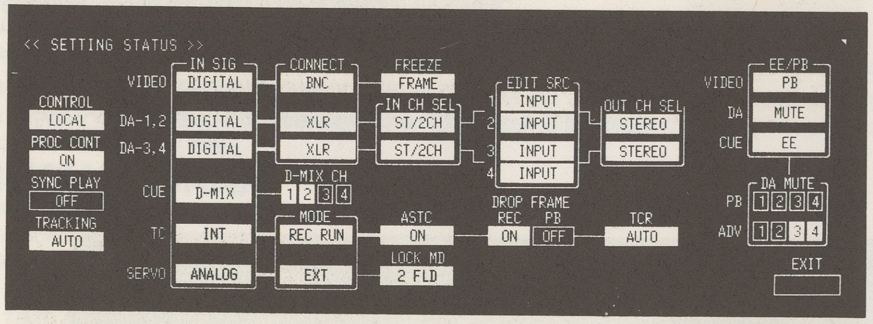
To indicate the ROM version on the internal circuit boards: F2
Press F2 (VERSION) to select the SOFTWARE VERSIONS display mode. The menu display indicates the ROM version on the circuit boards as shown below. Indicated are the EPROMs (Erasable and Programmable ROMs) used in the DVTR system on which the program-software such as the settings of the operation modes, exchange of status between DVR-1000 and DVPC-1000, and the calculation functions are written. Thus, the version of the program-software can be checked.

The DVR-1000 serial number is also displayed.



```
<< DIAG : SOFTWARE VERSIONS  >>
BKDV-1010                      DVPC-1000
  BOARD     /  VERSION           BOARD      /  VERSION          BOARD    /  VERSION
  CP-106        01-30            IF-139         01-3A           VE-12        15-10
                02-30            SY-70(AB)      08-11           AE-06        10-11
                03-30            SY-70(CD)      08-11           AU-86        11-13
                                 CI-01          33-01           PG-13        09-11
DVR-1000                         FM-09(AB)      01-11
  BOARD     /  VERSION           FM-09(CD)      01-11
  SY-124        01-30            VN-01          14-15
  SP-01         01-30            AP-14          10-10                SERIAL No. 10007(UC)
  RS-23         01-20            AN-01          38-01
                                 TG-28          07-11                                 EXIT
```

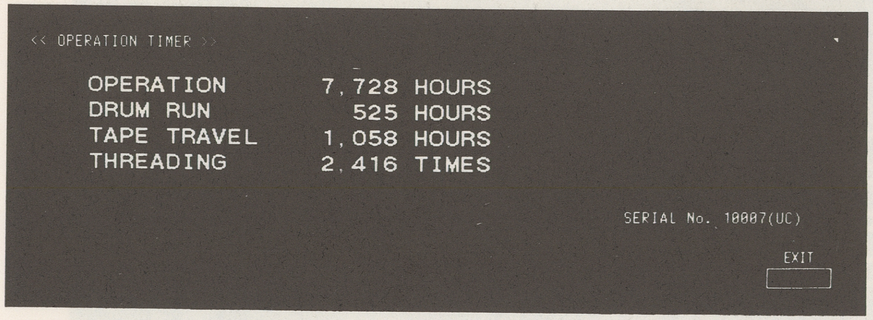
To indicate the settings on each menu: F3
Press F3 (SETTING) to select the SETTING STATUS display mode. The settings of the control modes and the input/output signal of each channel selected in each menu can be checked.



<< SETTING STATUS >>
CONTROL
LOCAL
PROC CONT
ON
SYNC PLAY
OFF
TRACKING
AUTO
IN SIG
VIDEO
DIGITAL
DA-1,2
DIGITAL
DA-3,4
DIGITAL
CUE
D-MIX
TC
INT
SERVO
ANALOG
CONNECT
BNC
XLR
XLR
D-MIX CH
1 2 3 4
MODE
REC RUN
EXT
FREEZE
FRAME
IN CH SEL
ST/2CH
ST/2CH
ASTC
ON
LOCK MD
2 FLD
EDIT SRC
1 INPUT
2 INPUT
3 INPUT
4 INPUT
DROP FRAME
REC
ON
PB
OFF
OUT CH SEL
STEREO
STEREO
TCR
AUTO
EE/PB
VIDEO
PB
DA
MUTE
CUE
EE
DA MUTE
PB 1 2 3 4
ADV 1 2 3 4
EXIT

To indicate the operation time: F4
Press F4 (OP TIME) to select the OPERATION TIMER display mode. The data of the four timers contained in the DVR-1000 are indicated for maintenance.

The DVR-1000 serial number is also displayed.



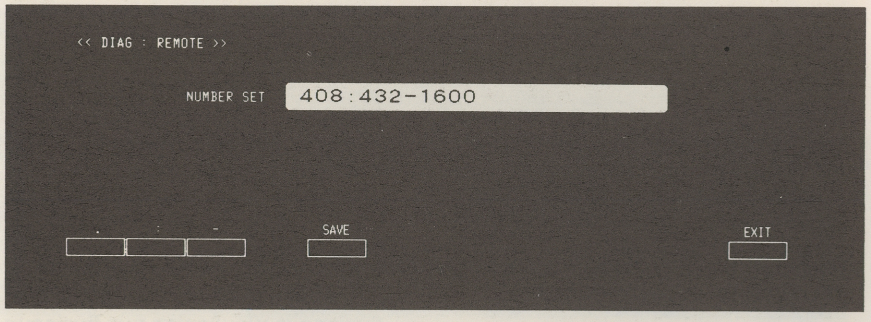
```
<< OPERATION TIMER >>

   OPERATION          7,728 HOURS
   DRUM RUN             525 HOURS
   TAPE TRAVEL        1,058 HOURS
   THREADING          2,416 TIMES

                                          SERIAL No. 10007(UC)

                                                          EXIT
```

DIAGNOSTICS

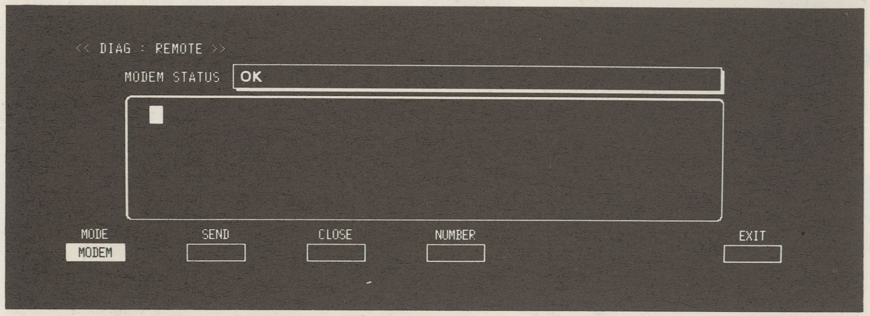
Sub menus

To activate remote diagnostics with the optional RS-232C interface: F6
Press F6 (REMOTE) to select the REMOTE DIAGNOSTICS display.

Remote Diagnostics are available with a direct RS-232C connection or via a modem. The remote diagnostics supports auto-dial modems.

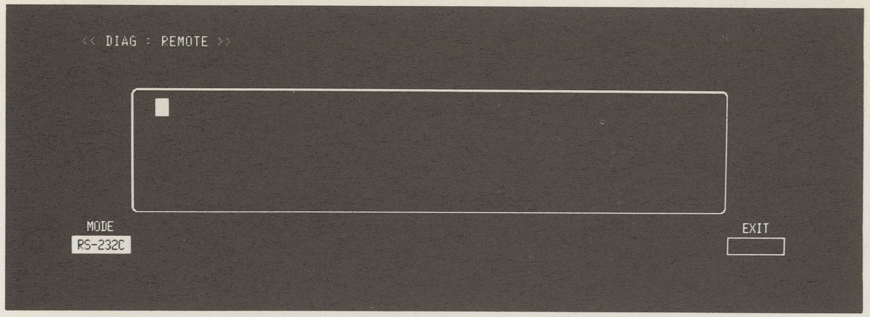

<< DIAG : REMOTE >>

NUMBER SET 408:432-1600

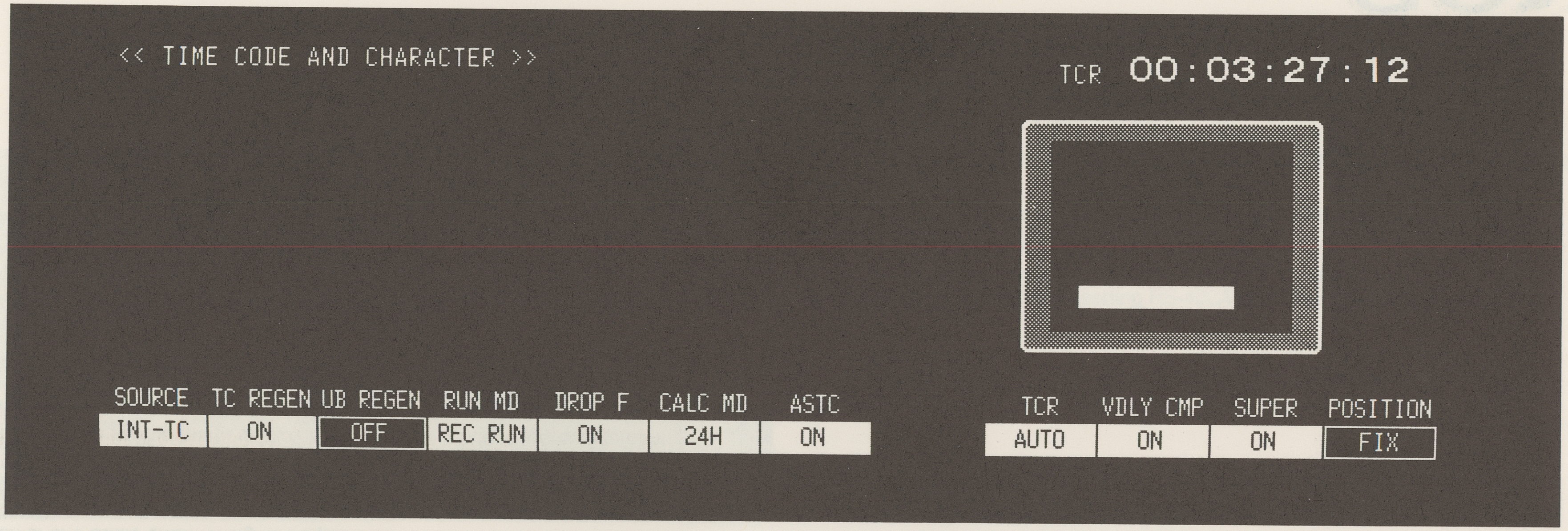

<< DIAG : REMOTE >>

MODEM STATUS OK

MODE MODEM


<< DIAG : REMOTE >>

MODE RS-232C



<< TIME CODE AND CHARACTER >>

TCR 00:03:27:12

SOURCE	TC REGEN	UB REGEN	RUN MD	DROP F	CALC MD	ASTC	TCR	VDLY CMP	SUPER	POSITION
INT-TC	ON	OFF	REC RUN	ON	24H	ON	AUTO	ON	ON	FIX

TIME CODE & CHARACTER

The TIME CODE & CHARACTER menu is displayed when the TC & CHR key is pressed.

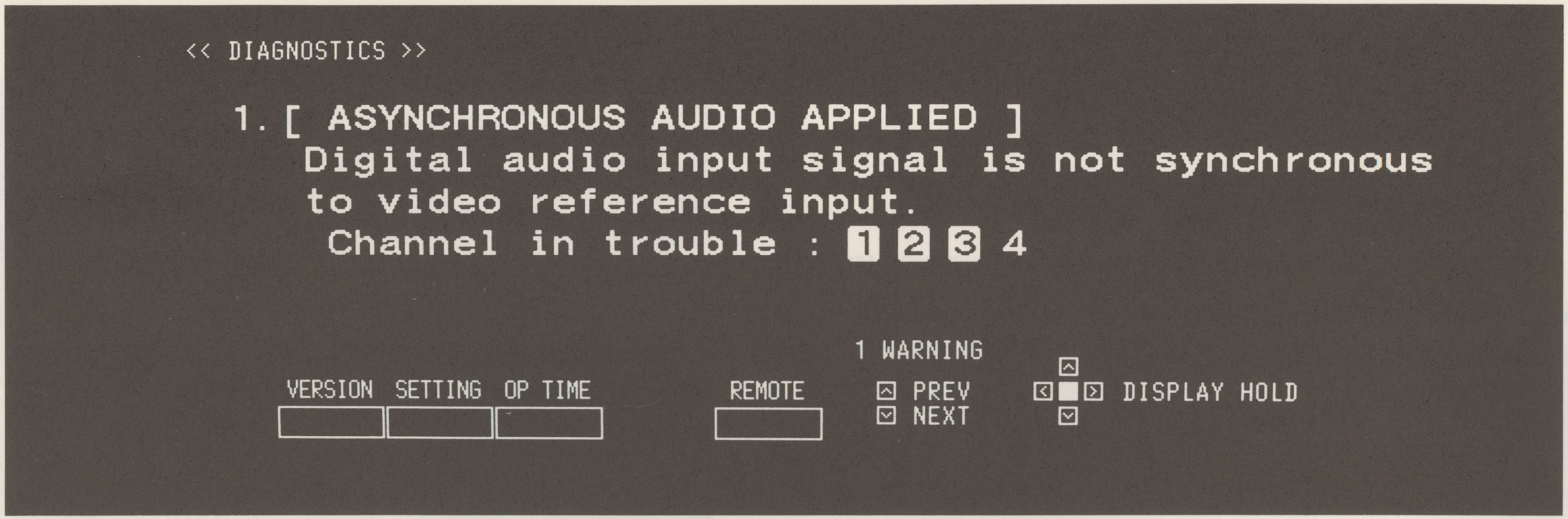
This menu is used to select the mode and functions of the time code. The setting selected in this menu is valid only for the internal time code/user bit generator/reader (except superimposition of the time data).

With this menu, the following functions are available.

- Selection of internal/external time code
- Selection of the time code generator/reader operation mode
- Setting the video delay compensation mode to ON/OFF
- Superimposition of the time data and its character position setting

The TIME CODE & CHARACTER menu has no menu display but shows the function key assignment.

The current tape timer or time code number is displayed.



```
<< DIAGNOSTICS >>

1. [ ASYNCHRONOUS AUDIO APPLIED ]
   Digital audio input signal is not synchronous
   to video reference input.
    Channel in trouble : 1 2 3 4

                    1 WARNING
```

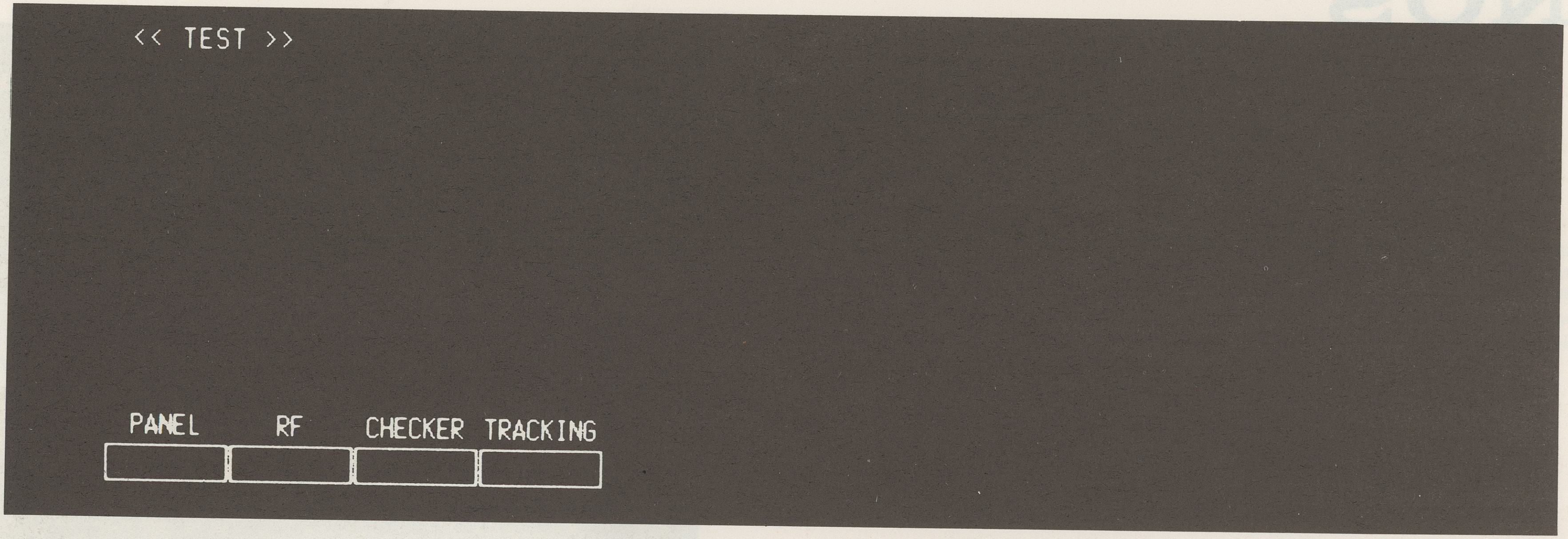
DIAGNOSTICS

The DIAGNOSTICS menu is displayed when DIAG key is pressed.

With this menu, the following functions are available.

- Indication of the ROM version on the internal circuit boards
- Indication of the selected items of the DVTR system settings
- Indication of the elapsed VTR operation time, etc.
- Selection of remote diagnostics for use with the optional RS-232C interface

This menu is also used to display error messages which describe potential problems. The number of warnings is indicated and the cursor keys may be used to scroll through the messages. When one or more error conditions are indicated, the warning mark appears in the upper right-hand corner of each menu.



TEST

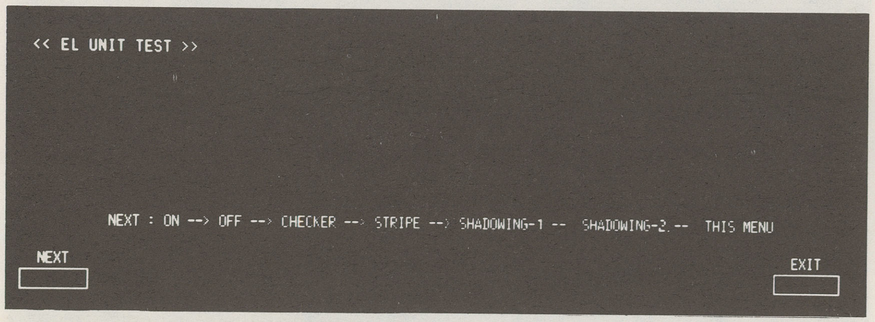
The TEST menu is displayed when the TEST key is pressed. This menu is used to check the DVTR system condition.

With this menu, the following functions are available.

- Checking the keys and buttons on the control panel
- Checking and adjustment of RF output
- Checking and adjustment of tracking

TEST

Panel Sub Menus

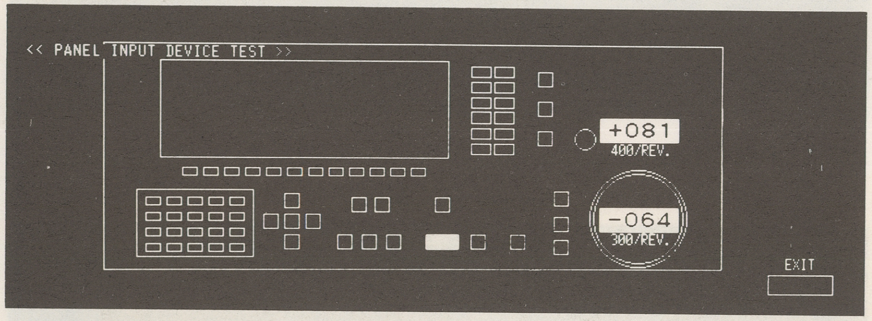


<< EL UNIT TEST >>

NEXT : ON --> OFF --> CHECKER --> STRIPE --> SHADOWING-1 -- SHADOWING-2.-- THIS MENU

To check the EL screen display
Press F1 (PANEL) in the main TEST menu and then F1 (EL UNIT) to select the EL UNIT TEST mode.

Each press of the F1 (NEXT) key in this mode sequentially changes the EL display.



<< PANEL INPUT DEVICE TEST >>

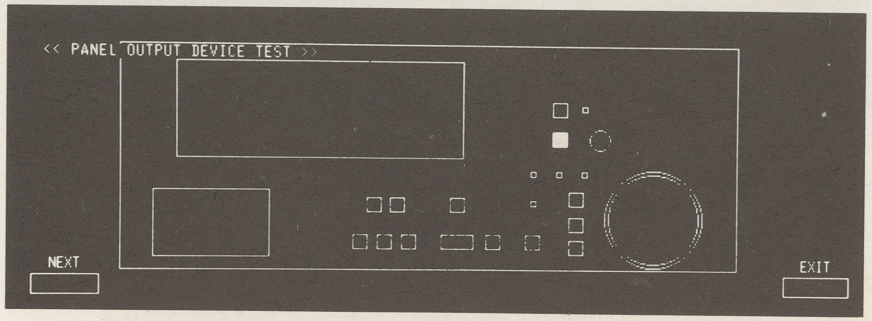
To check the keys, buttons and controls
Press F1 (PANEL) in the main TEST menu and then F2 (INPUT) to select the PANEL INPUT DEVICE TEST mode.

Press the actual keys and buttons on the control panel. While the key or button is being pressed, the corresponding position is lit on the display if it is responding normally. When the key or button is released after being lit, its position remains lit as a marker.

Turn the actual search dial or control on the control panel, so that the number indicating the angle of rotation is displayed.

The number has a + when the dial or control is turned clockwise, or a – when turned counterclockwise, according to the angle of rotation.

When the dial or control is working normally, the number increases or decreases by 400 (level control) or 300 (search dial) within one rotation.



<< PANEL OUTPUT DEVICE TEST >>

To check the lamps
Press F1 (PANEL) in the main TEST menu and then F3 (OUTPUT) to select the PANEL OUTPUT DEVICE TEST mode.

Every time F1 (NEXT) key is pressed, buttons and lamps will light up on the display one by one.

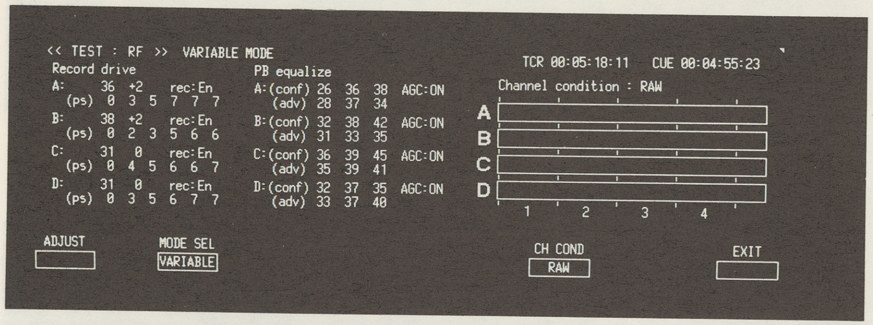
STOP→PLAY→REC/EDIT→STANDBY→SHUTTLE→JOG→VAR→IN→OUT→EXECUTE→PREROLL→SEARCH→REC INHIBIT lamp→SYSTEM lamp→CF SERVO lamp→MODE lamp→UNITY lamp→UNITY/VAR→AUDIO LINE OUT

When F1 is pressed once more, all the buttons and lamps will light up at the same time.

TEST

RF Sub Menus

This menu is used to adjust RF equalization and gain if the error rate is excessive even after the TRACKING control has been optimized. It is intended for maintenance use only. Record drive adjustment and menus are also provided.

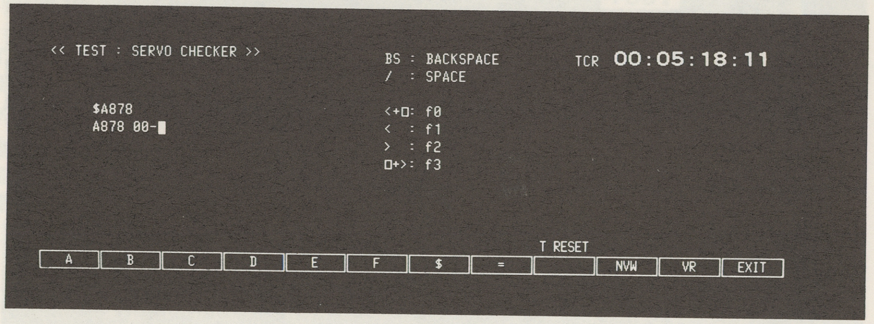


```
<< TEST : RF >>  VARIABLE MODE
Record drive                  PB equalize                        TCR 00:05:18:11   CUE 00:04:55:23
A:       36  +2    rec:En     A:(conf) 26  36  38  AGC:ON       Channel condition : RAW
  (ps)  0  3  5  7  7  7        (adv) 28  37  34
B:       38  +2    rec:En     B:(conf) 32  38  42  AGC:ON
  (ps)  0  2  3  5  6  6        (adv) 31  33  35
C:       31   0    rec:En     C:(conf) 36  39  45  AGC:ON
  (ps)  0  4  5  6  6  7        (adv) 35  39  41
D:       31   0    rec:En     D:(conf) 32  37  35  AGC:ON
  (ps)  0  3  5  6  7  7        (adv) 33  37  40
```

Checker Sub Menu

Servo Checker

This menu provides access to internal memory data within the DVR/DVPC-1000. It is intended for maintenance use.



```
<< TEST : SERVO CHECKER >>          BS : BACKSPACE       TCR 00:05:18:11
                                    /  : SPACE

     $A878                          <+□: f0
     A878 00-█                      <  : f1
                                    >  : f2
                                    □+>: f3
```

Tracking Sub Menu

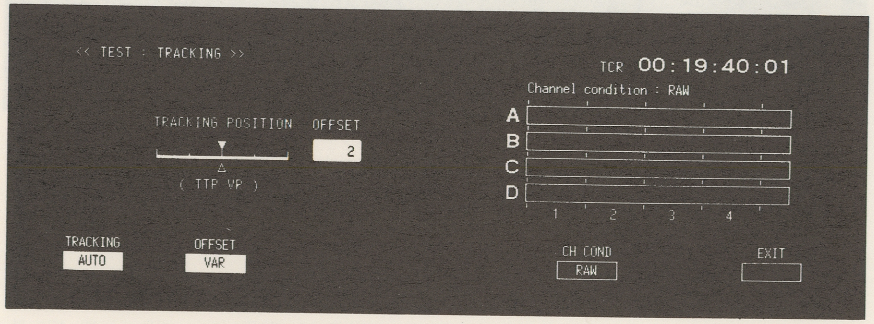
Tracking:

This menu provides control of the DVR-1000 tracking function from the control panel. The tracking control is used to optimize playback on an interchange basis.

The display shows a visual representation of the tracking position, and an indication of the tape transport's tracking control if it is out of its detent position.

The display also shows the error rate conditions (RAW and OUTPUT) and the current tape timer or time code number.

Automatic tracking can be enabled or disabled from this menu.



```
<< TEST : TRACKING >>                                   TCR 00:19:40:01
                                                Channel condition : RAW
        TRACKING POSITION   OFFSET
                            2
        ( TTP VR )
```

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